This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

JOHN G. WOLBACH LIBRARY
HARVARD COLLEGE OBSERVATORY
60 GARDEN STREET
CAMBRIDGE, MASS. 02138

JOHN G. WOLBACH LIBRARY
HARVARD COLLEGE OBSERVATORY
60 GARDEN STREET
CAMBRIDGE, MASS. 02138

ANNALS

OF

THE ASTRONOMICAL OBSERVATORY OF HARVARD COLLEGE

VOL. XLV

A PHOTOMETRIC DURCHMUSTERUNG

INCLUDING ALL STARS OF THE MAGNITUDE 7.5 AND BRIGHTER
NORTH OF DECLINATION —40°

OBSERVED WITH

THE MERIDIAN PHOTOMETER

DURING THE YEARS 1895–98

BY

EDWARD C. PICKERING
DIRECTOR OF THE OBSERVATORY

PRINTED FROM THE STURGIS FUND

CAMBRIDGE
Published by the Observatory
1901

PREFACE.

DURING the year 1891 to 1898, 473,216 photometric settings were made with the meridian photometer, nearly all by the Director. The greater part of those made between 1891 and 1894, including the reobservation of the stars in the Harvard Photometry, are contained in Volume XLIV, Part I. The present volume contains measurements with the meridian photometer, of all stars of the magnitude 7.5 and brighter, north of declination —40°. A few of these magnitudes depend only on observations published in previous volumes, and are indicated by placing the magnitudes in Italics. They are included, for convenience of reference, and to save the necessity of looking for them in other volumes. Observations of a few stars south of declination —40°, of comparison stars for variables, and of other faint stars, are also included. A large number of miscellaneous observations of variable stars, asteroids, and other objects, have not been included, but will be published in a later volume of the Annals. After the greater portion of this work was in type, Volume XVIII, Resultados del Observatorio Nacional Argentino en Córdoba was published. This valuable work extends the Durchmusterung from declination —42° to —52°. A few of these stars are contained in the present volume. Their numbers and magnitudes are given in the Remarks following the table. Important aid was rendered in preparing the work for publication by Mrs. Fleming, and the greater part of the reduction was made by Miss F. Cushman, aided by Misses A. J. McKay, H. I. Stevens, and M. A. Gill.

EDWARD C. PICKERING,
Director of the Observatory of Harvard College.

CAMBRIDGE, U. S., *February 21, 1901.*

A PHOTOMETRIC DURCHMUSTERUNG.

THE results of the measures made with the Meridian Photometer during the years 1895 to 1898 are given in this volume. The form so closely resembles that of Table I in Volume XLIV that nearly the same description may be used for both. The number of the star in the Durchmusterung is given in the first column. The degree of the zone is generally the same as the degree of declination given in the third column. When they differ, owing to precession, the number in the first column is placed in Italics. The number of the Durchmusterung zone may be algebraically one greater than the degree of declination, when the right ascension of the star lies between 6^h and 18^h, otherwise, it will be either equal, or one degree less. As the precession never exceeds 15′, a simple rule is always to take the adjacent zone when the number in the first column is in Italics. Thus, the designation of the first star in the table is +44° 4550, of the fourth star, +34° 5061. A few stars in the zone —1° of the Northern Durchmusterung are also contained in the zone —2° of the Southern Durchmusterung. The second designation and corresponding magnitude are then given in the remarks following the table. Similarly, nearly all of the stars in the zone —22° of the Southern Durchmusterung are also contained in the zone —22° of the Cordoba Durchmusterung. The number and magnitude according to the latter are then given in the remarks. When a star is south of declination —42°, it is not contained in either Durchmusterung, and the letter R is then inserted in the first column and refers to the remarks following the table. The identification is there given according to the Southern Harvard Photometry, the Argentine General Catalogue, or the Uranometria Argentina, these catalogues being designated, as usual, by the letters, S. M. P., A. G. C., and U. A., respectively. The minutes and tenths of right ascension for 1900 are given in the second column of the table, the hour being given at the top of the page. The declination for 1900 is given in the third column. The magnitude according to the Durchmusterung is given in the fourth column. The magnitude according to the Meridian Photometer, as derived from the observations contained in this volume, is given in the fifth column. A magnitude printed in Italics denotes that it is derived from the mean of the magnitudes given in Volume XXIV, Table I, Volume XXIV, Table IV, and Volume XLIV, Table I. The Julian Days on which the observations were made are given in the sixth column, after subtracting the constant number, 2,410,000. When the magnitude in the fifth column is printed in Italics, the Julian Days are of course omitted. When a Julian Day is repeated, it denotes that the star was observed twice on that evening. The residuals found by subtracting the mean magnitude from the results of the individual measures are given in the seventh column. They are expressed in hundredths of a magnitude, Roman figures denoting that the residuals are positive, Italic, that they are negative. The letter A in this column denotes that the magnitude in the fifth column depends upon a single value only, from which a residual, therefore, cannot be taken. The letter R refers to the Remarks at the end of the Table, and is generally used to indicate a discordant measure. The letter T is used to indicate that one or more of the individual readings are discordant. For example, the table shows that the first star, +44° 4550, was observed on the Julian Days 2,413,492, 2,414,207, and 2,414,211, with the resulting magnitudes, 6.65, 6.55, and 6.41. As the star culminated very near the zenith the correction for atmospheric absorption was zero. The mean of the magnitudes, 6.54, is given in the fifth column, and the residuals, 11, 01, and *13*, in the seventh column. In like manner, the fourth star, +34° 5061, was observed only in Volume XXIV, Table I, with the magnitude 6.80. A complete discussion of the methods of observation and reduction will be found in Part II of Volume XLIV. The discordant readings and discordant measures will be discussed there. In general, residuals exceeding .65 are rejected for discordance, except for a few low southern stars. All those exceeding .50 have been carefully examined for errors in identification, for clouds, or discordant readings. Clouds or dew are indicated by the effect on adjacent stars, and a reference is then made to them in the remarks. Several stars were observed which culminate very near the southern horizon, in some cases within a degree. As might be expected the results are discordant, but they are useful in determining the atmospheric absorption at low altitudes. The observations of known variable stars are, in general, omitted, and will be published elsewhere. A few stars like α Cassiopeiæ, α Orionis, Y Herculis, α Herculis, and β Pegasi have been included, since their present variation, if any, is small. The magnitude of each star was estimated by the observer, and the photometric magnitude then read to him so that he might continually correct his scale, as in the observations contained in Volume XLIV. As, however, but little use has been made of such estimates, they have not been entered in this table.

The remarks following the table are preceded by the right ascensions of the stars to which they refer. The letters *a*, *b*, *c*, etc., are added to distinguish stars having the same right ascension.

A PHOTOMETRIC DURCHMUSTERUNG.

0^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
4550	0.0	+44 40	6.3	6.54	3492,4207,4211	11,01,*13*	2107	1.2	+63 37	5.4	5.48	3149,3155,4211	*04*,*01*,06
4525	0.0	− 1 4	7.0	6.28	3137,3139,4211	11,*08*,*04*	5233	1.2	+40 21	6.8	*7.02*		A . .
1426	0.1	+68 19	7.0	6.98	3155,3176,3842	09,*10*,02	6426	1.3	−18 35	7.5	7.48	3112,3136	*12*,13
5061	0.1	+35 1	7.0	*6.80*		A . .	4704	1.4	+28 29	7.5	6.20	3145,3186,3867,	00,00,17,
16836	0.1	−33 2	7.0	7.16	2783,2784,4202	*04*,04,00						4252,4252,4256,	*11*,*12*,*04*,
4241	0.2	+49 13	7.4	7.54	3475,3488	04,*04*						4256,4265,4265,	*07*,*07*,05,
6357	0.2	− 6 16	5.2	4.78	3112,4211,4227	11,*01*,*11*						4277,4277,4278,	28,01,06,
6257	0.2	−21 52	7.4	8.04	2798,2802	*05*,06						4278,4280,4280	*06*,*15*,04
15250	0.2	−39 25	6.7	6.91	2779,2783,3542	04,*07*,02	*4676*	1.4	+28 0	7.2	6.79	3145,3186,3867	01,01,*01*
4752	0.3	+ 3 2	7.7	6.89	3129,3143,3857	23,*08*,*16*	4	1.6	−36 39	7.5	7.58	2783,3178,3542	06,*01*,*05*
6539	0.3	−14 59	7.3	7.43	3840,3840,3841,	15,27,18,	4	1.7	−23 40	6.3	6.06	2790,2793,3841,	07,*02*,*15*,
					3841,3842,3842,	16,04,31,						3857	11
					3852,3855,3855,	*42*,*18*,*10*,	4	1.8	−39 26	6.7	6.90	2779,2783,3542	02,11,*12*
					3857,3857,3858,	*02*,*06*,*01*,	5073	2.2	+25 54	7.2	7.30	3145,3186	10,*10*
					3858,3859,3859,	21,*08*,*04*,	*6428*	2.2	−17 57	6.5	6.06	3112,3857	12,*11*
					3860,3860,3864,	*02*,12,*37*,	*8*	2.3	−25 55	6.9	6.89	2790,2798,3841	06,*10*,04
					3864,3866,3866,	*33*,04,*04*,	2	2.4	+39 31	7.2	7.50	3182,3186	00,00
					3867,3867,3870,	12,09,07,	*1*	2.4	+31 6	6.9	*7.01*		A . .
					3870,3871,3871,	13,01,00,	3	2.5	+39 35	6.7	6.82	3867,3873	07,*08*
					3873,3873,3895,	*15*,*08*,04,	2	2.5	+38 30	7.5	8.00	3182,3186	00,00
					3895,3897,3897,	02,12,15,	1	2.5	+36 37	7.3	7.55	3182,3186	*05*,05
					3900,3900,3900,	*09*,08,*30*,	2	2.7	− 3 6	6.8	*6.30*		. . A
					3901,3901,3903,	16,22,*16*,	13	2.7	−23 4	5.9	*5.92*		. 04,*05*
					3903,3911,3911,	00,35,*03*,	2	2.9	+30 50	6.8	*7.06*		A . .
					3914,3914,4211,	*01*,*03*,*23*,	3	3.0	+30 49	7.2	7.30	3182,3186	00,00
					4227,4228	*25*,*09*	17	3.0	−34 6	5.7	5.75	3129,3178,3181,	01,05,03,
3598	0.4	+52 37	7.0	7.30	3495,3559	*05*,06						3473,3526,3918,	*21*,*05*,14,
6242	0.4	− 8 13	6.7	7.20	3112,3137	07,*06*						3922,4207,4232,	20,*01*,*07*,
6227	0.4	−10 11	7.5	*7.11*		A . .						4235	*07*
15500	0.4	−37 52	7.5	7.65	3178,3181,3542	05,*23*,18	*4*	3.1	+46 9	7.5	7.69	3475,3488	02,*02*
3109	0.5	+55 9	7.0	*7.11*		A . .	3	3.1	− 3 0	6.5	*6.33*		. . A
5063	0.6	+12 51	5.5	5.72	3129,3130	*05*,05	4	3.2	+28 32	2.0	2.28	3145,3186,4211	02,02,*05*
4244	0.8	+49 4	7.2	7.46	3475,3488	10,*11*	5	3.2	− 9 23	6.5	*6.11*		06 . *06*
4629	0.8	+44 11	7.3	7.86	3185,3475	*16*,15	7	3.2	−15 23	7.0	7.02	3136,3139	05,*04*
4853	0.8	+24 0	6.3	7.12	3145,3186	06,*05*	2	3.3	+73 41	7.0	7.42	3149,3155	*03*,02
19594	0.8	−30 55	7.5	7.90	2783,2790,3542	26,*11*,*15*	5	3.3	+62 39	6.5	6.59	3155,3176,3842	*12*,*01*,13
2363	0.9	+63 7	7.2	7.36	3149,3155	08,*09*	3	3.3	+34 22	7.2	7.40	3182,3186	00,00
5219	0.9	+39 51	6.7	6.80	3867,3873	*04*,05	*8*	3.5	+36 4	6.2	*6.14*		13 . *14*
4674	0.9	+27 43	7.0	6.93	3145,3186,3867	*03*,07,*04*	3	3.5	−18 8	6.2	6.32	3112,3857,4211	06,01,*06*
4885	0.9	+24 22	6.8	*7.46*		A . .	*5*	3.6	− 2 46	7.4	*7.26*		. 03,*03*
2865	1.0	+57 53	6.5	6.10	3469,3495,3842	*26*,10,17	5	3.7	+40 17	7.2	*7.87*		A . .
4631	1.0	+43 30	7.4	7.92	3185,3475	08,*09*	11	3.7	+39 56	6.8	6.98	3867,3905	09,*09*
5172	1.0	+ 9 10	7.5	7.74	2777,3129	10,*09*	3	3.7	+24 54	6.3	6.41	3145,4211,4225,	*11*,*12*,02,
18964	1.1	−29 43	7.5	7.56	3178,3181,3841,	*20*,*09*,16,						4228	21
					3857	14	5	3.7	+ 7 28	7.5	7.34	2777,3129	*20*,21

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
6	3.7	+ 0 8	7.3	*7.63*		A . .
20	3.7	−35 21	7.3	7.88	3152,3155,3542	04,*10*,06
1	3.8	+79 10	6.5	6.22	3149,3155,3842	*03*,02,02
3	3.8	+58 36	2.2	2.44	3131,3139,3143,	16,*04*,46,
					3144,3145,3149,	26,06,*04*,
					3160,3161,3176,	*24*,*04*,*14*,
					3178,3191,3192,	*24*,*04*,*14*,
					3195,3196,3472,	*44*,36,19,
					3475,3477,3490,	*05*,02,*08*,
					3492,3502,3514,	*05*,*06*,*09*,
					3519,3531,3534,	*29*,01,15,
					3562,3852,3859,	38,01,15,
					3870,3873,3879,	*04*,27,13,
					3895,3897,3900,	*28*,*03*,*26*,
					3903,3925,4203,	R *03*,*04*,
					4232,4233,4235,	30,*11*,*04*,
					4239,4277,4278,	21,*01*,*01*,
					4280,4286,4287,	12,04,*23*,
					4289	*22*
3	3.8	+27 41	7.0	6.52	3145,3186,3867	*02*,*02*,04
7	3.8	−22 45	7.2	*7.31*		. . A
3	3.9	+64 32	7.0	7.02	3155,3176	*15*,16
7	3.9	+40 17	7.0	*7.17*		A . .
10	3.9	+19 21	6.7	*7.25*		A . .
7	3.9	+17 40	5.7	5.68	2777,3129,4211	*01*,19,*17*
8	3.9	−21 45	7.1	7.20	2790,2793	11,*11*
22	4.0	−35 39	7.1	7.79	3152,3155,3542	*19*,19,01
3	4.2	+16 59	7.0	7.17	3129,3130	*20*,20
11	4.3	+45 50	7.0	7.00	3475,3488,3871	*05*,*12*,17
16	4.3	−28 33	5.5	*5.47*		. 05,*05*
R	4.3	−46 18	. .	4.08	3544,3544,3866,	*48*,*21*,07,
					3866,3870,3870,	21,29,24,
					3918,3918,3921,	*22*,*13*,01,
					3921,3922,3922,	05,*34*,*32*,
					4252,4252,4277	48,33, R
9	4.8	− 3 7	7.4	7.20	3112,3137	11,*11*
8	4.9	+10 36	5.8	*5.55*		. 15,*15*
13	4.9	− 9 32	7.3	7.08	3112,3113,3137	*01*,06,*04*
35	4.9	−26 26	7.2	7.46	2790,3152	*04*,03
12	5.0	+51 42	7.1	7.13	3495,3559	*06*,06
17	5.1	+45 31	5.2	5.04	3475,3488,3873,	33,40,*33*,
					3873,4207,4211,	*65*,08,00,
					4223	15
11	5.2	+56 36	6.7	6.57	3495,4207,4211	09,*03*,*05*
11	5.2	− 5 49	6.8	*5.98*		. *02*,02
11	5.3	+59 6	7.3	*6.70*		. . A
11	5.4	+32 35	7.3	7.15	3182,3186	*05*,05
25	5.5	+48 28	7.2	7.84	3475,3488	*06*,06
8	5.6	+36 55	7.5	7.75	3182,3186	*05*,05
13	5.6	−13 8	6.0	5.96	3136,4211,4227	23,*15*,*09*
36	5.6	−31 50	7.0	7.11	2783,2784,3544	*02*,04,*02*
17	5.7	−22 30	7.5	7.66	2790,2793	01,00
36	5.7	−35 25	7.2	7.01	2774,2783,3542	05,*13*,07
14	5.8	+57 4	6.8	6.71	3469,3495,3871	*09*,*07*,15
30	5.9	+49 0	7.2	8.09	3475,3559	*11*,11
4	6.0	+73 55	7.0	7.10	3155,3176	*06*,06
13	6.1	+ 7 23	7.5	*7.88*		. A .
7	6.1	− 3 53	6.8	6.78	3112,3857	03,*02*
17	6.2	−16 1	5.2	*5.09*		. *02*,02
28	6.3	+57 39	7.5	7.08	3469,3495	10,*09*
36	6.3	−32 58	8.2	8.30	3542,3544,3550	16,*15*,00
15	6.4	+55 24	7.4	*7.41*		A . .
14	6.4	− 3 38	8.0	7.56	3857,3864,3866,	*03*,*42*,05,
					3897,4211,4223,	18,*05*,03,
					4223,4227,4228,	*05*,14, R,
					4228,4232,4232,	R ,*01*,12,
					4235,4235,4236,	*18*,*09*,*07*,
					4236,4239,4239,	04,*03*,02,
					4252,4252,4256,	*19*,*08*,*12*,
					4256,4265,4265,	*18*,29,24,
					4277,4277,4280,	08,43,*12*,
					4280,4286,4286,	*08*,*15*,25,
					4292,4292,4297,	*27*,08,13,
					4297	01
26	6.4	−28 21	5.4	*5.64*		. *01*,02
16	6.5	+56 43	7.3	7.12	3469,3495,3871	*24*,*03*,27
11	6.5	−19 10	7.3	6.92	3136,3139,3857	19,*10*,*08*
41	6.5	−35 1	7.5	7.75	3152,3155,3542	*01*,*04*,05
13	6.6	+65 34	7.0	*7.15*		A . .
42	6.6	−35 42	5.4	5.22	3155,3181,3473,	08,*41*,10,
					3526,3542,3918,	*03*,36,*12*,
					3922,4207,4235	04,05,*04*
21	6.7	+47 36	5.5	6.31	3488,4207,4211	06,*15*,10
13	6.8	+28 3	7.3	7.15	3145,3186	*15*,15
14	6.8	+22 56	6.0	*6.65*		. . A
21	6.8	−11 43	8.6	8.59	3120,3857	15,*15*
19	6.9	+53 4	6.5	6.80	3495,3559,3871	*15*,*10*,24
23	6.9	+47 38	7.0	7.46	3475,3488	*09*,08
20	6.9	+46 58	7.2	7.40	3475,3488	07,*08*
19	7.0	−14 22	6.8	6.63	3857,3864,3905	02,*02*,01
10	7.1	+22 1	7.5	7.82	3145,3186	*04*,05
14	7.1	−18 30	5.7	5.36	3143,4211,4227	00,*08*,07
20	7.3	+44 10	6.5	6.62	3185,3475,3871	*02*,*12*,13
21	7.3	+44 3	7.3	7.58	3185,3475	12,*12*
22	7.3	+43 46	7.0	7.20	3185,3475	10,*10*
26	7.5	+45 33	7.0	6.64	3871,3873	01,*02*
19	7.5	− 1 47	7.0	7.28	3137,3143	01,00
12	7.6	+37 9	6.8	*6.54*		. 06,07
37	7.6	−27 25	7.4	7.85	2790,2793,3841,	*17*,19,*03*,
					4202,4207,4227	01,*18*,19

0^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
30	7.8	+49 22	6.7	7.02	3495,3562,3871	*16*,*21*,37
11	7.8	− 3 56	7.2	7.56	3112,3120	*15*,15
49	7.8	−32 27	8.4	8.61	3542,3544,3550	*12*,*01*,13
16	7.9	+61 29	6.7	6.59	3176,3178,3842	*01*,*02*,02
13	7.9	+34 44	7.5	7.90	3182,3186	00,00
11	8.0	+16 22	7.5	6.62	3129,3129,3130,3143,3149	*05*,*05*,15,05,*08*
46	8.0	−23 2	6.9	6.67	2790,2793,4207	*10*,19,*09*
40	8.1	+49 10	7.0	7.04	3495,3562	14,*14*
14	8.1	+14 38	2.5	*2.78*		. *01*,02
13	8.2	+26 25	6.5	*6.30*		. . A
15	8.2	−21 11	6.8	7.28	2790,2793	*04*,03
38	8.2	−26 53	7.2	7.50	2790,2793	*08*,07
40	8.2	−38 23	6.9	7.31	2774,2779,3542	06,*06*,*01*
29	8.3	+40 29	5.7	*5.62*		. . A
4	8.4	+75 28	7.1	*7.57*		A . .
15	8.4	+64 18	7.5	7.92	3155,3176	05,*04*
30	8.4	+42 24	6.8	7.44	3185,3488	06,*05*
15	8.7	+59 27	7.3	7.05	3469,3495	01,*01*
19	8.7	+ 0 49	6.8	6.81	3857,3870	*02*,02
52	8.7	−23 46	7.0	6.99	2790,2802,3116,3119,3122,3136	04,*23*,07,01, R ,12
56	8.7	−26 35	6.0	*6.18*		. 06,*07*
57	8.7	−26 51	6.3	6.41	2790,2793,3841	01,06,*06*
21	8.8	+32 39	6.5	*6.07*		. . A
25	8.8	−18 6	7.2	7.25	3136,3139,3490,3495,3504	29,*30*,07,*03*,*05*
23	9.0	+65 39	7.3	*7.60*		A . .
16	9.0	+54 43	7.5	7.72	3562,3567	*12*,13
25	9.0	+52 18	7.4	7.92	3562,3567	*17*,18
18	9.0	+34 51	7.3	*8.12*		A . .
18	9.0	+25 42	7.4	7.09	3867,3911	05,*05*
30	9.2	− 9 24	7.9	8.10	3921,3921,3921,3921,3921,3922,3922,3922,3922,3922	03,*11*,*15*,*04*,03,06,08,03,*02*,07
59	9.2	−36 22	7.3	7.79	2783,2784,3542	*12*,16,*03*
34	9.3	+40 28	6.9	*7.02*		A . .
18	9.3	− 2 46	7.8	7.36	3112,3120	05,*05*
17	9.3	−21 45	7.0	6.85	2800,2802,3841	03,*05*,02
47	9.3	−28 5	7.4	7.22	2800,2802	08,*08*
27	9.4	+19 39	5.0	*4.94*		. 01,00
26	9.4	− 8 21	5.8	*5.28*		. . A
30	9.4	−14 59	7.0	6.91	3120,3136,3857	08,06,*15*
29	9.5	+62 17	7.4	7.42	3176,3178	06,*05*
22	9.5	+ 0 44	7.2	7.11	3857,3870	*09*,09
31	9.6	−13 18	7.3	8.00	3120,3136	02,*01*
32	9.6	−15 22	6.7	*6.89*		A . .
21	9.6	−19 30	5.0	*4.72*		*12*, . 11
27	9.7	+53 31	7.1	7.85	3514,3562	16,*16*
13	9.7	+21 43	6.0	6.07	3911,4211,4228	07,*02*,*06*
29	9.7	−14 44	7.0	6.75	3857,3864,3905	09,*26*,17
15	9.8	+20 58	7.2	7.28	3145,3186	*10*,09
19	9.8	+ 8 16	6.0	5.78	3143,4211,4225,4228	06,*08*,01,R
20	9.8	− 3 35	6.7	7.01	3112,3120	00,00
30	9.8	−10 7	6.5	*5.92*		14, . *13*
30	9.9	+53 1	7.3	7.91	3514,3562	17,*17*
20	9.9	+34 19	7.3	8.00	3182,3186	*10*,10
26	9.9	+32 28	7.3	7.55	3182,3186	05,*05*
26	9.9	+30 59	6.5	6.56	3867,3911	*18*,19
66	9.9	−32 43	7.6	7.86	2774,2783,3542,3544,3550,3841,3855,3855,3857,3857,3866,3866,3867,3867,3870,3870,3871,3871,3897,3897,3901,3901,3905,3905,3911,3911,3913,3913,3914,3914,3918,3918,3921,3921,3925,3925,4207,4227,4232	R, R, 13,*23*,*05*,14,*20*,*24*,*30*,*28*,*07*,*12*,18,*12*,06,*06*,22,*21*,23,31,27,21,*07*,*03*,06,10,02,*15*,15,00,*14*,01,*05*,01,12,08,*09*,*02*,17
33	10.0	+43 38	6.7	6.64	3492,3562,3871	*03*,00,04
23	10.0	+26 43	6.5	6.07	4211	A
65	10.0	−35 28	6.4	6.32	2774,2777,2783,3542	04,*10*,*14*,22
24	10.2	−17 18	7.5	7.70	3120,3136	*03*,04
35	10.3	+49 30	7.5	7.68	3562,3871	*01*,02
25	10.5	+ 5 17	7.8	*7.21*		A . .
64	10.5	−32 58	9.0	8.73	3542,3544,3550	03,08,*12*
5	10.6	+76 24	6.5	6.28	3152,3178,4211	07,*03*,*04*
16	10.6	+60 27	6.9	6.54	3871,3873	11,*11*
26	10.8	+ 3 41	7.0	7.02	2777,3129	*10*,10
41	11.1	+43 3	6.0	6.20	3185,3488,3913	00,*05*,04
72	11.1	−32 0	5.9	5.88	3155,3182,3473,3526,3859,3922,4207	08,06,*15*,13, T ,*16*,02
30	11.2	+53 23	7.0	7.36	3514,3562	04,*03*
31	11.4	+54 6	6.8	7.47	3514,3562	05,*05*
35	11.5	+36 5	7.1	7.01	3182,3186,4211	*11*,09,08
34	11.5	+35 55	7.8	7.70	3182,3186	00,00
27	11.5	+ 7 41	6.2	6.25	4228	A
28	11.5	+ 1 18	7.5	*7.29*		A . .
35	11.5	−13 58	7.0	7.13	3120,3136,3139,3143,3185,3186,3191,3192,3473,3475,3477,3855,3857,3864,3879,	09,06,*13*,*08*,09,05,14,*03*,*01*,*02*,*03*,*12*,*14*,34,*05*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3879,3901,3901, 3905,3905,4223, 4223,4227,4227, 4228,4228,4232, 4232,4235,4235, 4236,4236,4239, 4239	*12*,17,14, *04*,*09*,04, 19,*05*,05, R, R, *11*, *16*,*22*,*07*, 03,*12*,07, 14
71	11.5	−33 19	7.3	7.43	2774,2783,3544	*03*,*05*,08
21	11.6	+60 59	6.0	5.76	3514,3559,4207	*17*,06,10
60	11.6	+48 55	6.5	6.83	3562,3567,3871	*10*,17,*06*
48	11.6	+46 4	7.5	7.35	3911,3913	09,*09*
27	11.6	+13 22	7.5	*7.50*		. A .
34	11.7	+22 43	6.5	7.18	3145,3186	00,*01*
21	11.7	+ 9 42	6.8	6.74	3857,3870	*01*,01
24	11.7	−20 46	6.0	*6.50*		. 05,*06*
73	11.7	−33 15	6.5	6.72	2783,3544,3550	*04*,*16*,21
31	11.8	+56 21	7.2	7.32	3514,3559	12,*12*
25	11.9	+54 26	7.5	7.74	3514,3562	10,*10*
50	11.9	+47 24	6.0	*5.85*		. 05,*05*
34	11.9	+38 8	4.5	*4.57*		. . A
22	11.9	+ 9 49	7.5	*7.67*		A . .
43	12.3	+44 11	7.3	7.80	3195,3488	10,*10*
24	12.3	+ 8 19	7.0	*6.62*		. A .
46	12.5	+50 53	6.5	5.96	3871,3905,3913	03, R ,*03*
30	12.5	−19 37	7.0	6.48	3857,3864,3905	*27*,09,19
45	12.6	+44 1	7.0	7.54	3195,3488	06,*05*
39	12.6	+15 47	7.4	*7.44*		. A .
7	12.7	+75 43	7.4	*7.12*		A . .
15	12.7	+72 23	7.0	7.50	3152,3155	05,*06*
38	12.7	+19 41	6.8	*7.30*		A . .
32	12.7	+ 7 19	7.5	7.40	2777,3129	04,*05*
28	12.7	+ 1 8	7.0	6.32	3870,3886	01,*02*
31	12.7	− 2 25	6.7	7.16	3112,3120	*15*,15
26	12.8	+54 53	9.0	9.30	3550,3562	20,*19*
52	12.8	+45 39	7.0	7.05	3871,3905,3913	*03*, R, 03
34	12.8	+12 13	6.5	*6.63*		. A .
37	12.9	+ 0 3	7.0	7.47	2777,3129	*05*,05
42	12.9	−14 1	6.5	6.52	3120,3136,3857, 3864,3905	10,*13*,16, *10*,*03*
47	13.0	+44 1	6.5	7.58	3195,3488	12,*12*
32	13.0	+ 3 14	7.5	7.12	2777,3129	00,00
32	13.1	+61 39	7.3	7.13	3152,3176	05,*05*
44	13.1	+36 14	4.5	4.44	3182,3186,4211	*04*,*14*,19
25	13.2	+10 39	6.8	*6.20*		06, . *05*
34	13.2	+ 2 35	7.3	7.47	3112,3120,3137	*06*,14,*08*
29	13.3	+25 36	7.0	*7.21*		A . .
31	13.3	−21 42	6.7	*6.74*		. A .
74	13.3	−37 4	6.6	6.82	2774,2779,3542, 3544	10,03,*11*, 00
48	13.4	+43 14	5.9	6.11	3195,4207,4211	*01*,*17*,17
35	13.4	+30 58	6.0	5.82	3186,4211,4228	T ,11,*10*
48	13.5	+62 44	7.5	7.58	3152,3176	00,00
49	13.5	+44 6	6.8	7.20	3195,3488	10,*10*
42	13.5	+22 19	7.0	7.11	3145,3867	*13*,13
38	13.6	− 8 37	6.5	6.51	3112,3120,3857	06,*05*,*01*
17	13.7	+72 33	7.2	7.34	3152,3155	01,00
43	13.7	+50 8	7.5	*7.87*		A . .
15	13.8	+66 45	7.2	7.93	3152,3176	15,*15*
30	14.0	+58 35	7.3	7.27	3559,3871,4207, 4211,4223	*26*,52,*05*, *19*,*01*
34	14.1	+25 55	7.3	7.67	3145,3867	03,*03*
42	14.2	− 0 3	7.5	7.76	3112,3120	*05*,05
48	14.3	− 9 23	3.9	3.69	3112,4211,4227	28,*18*,*10*
56	14.4	+40 10	6.6	6.45	3867,3911	00,00
37	14.5	+55 10	7.5	*7.91*		A . .
32	14.5	+36 24	7.3	7.41	3182,3867	09,*09*
42	14.5	− 7 47	7.3	7.15	3120,3137	*09*,09
45	14.5	−22 22	7.5	7.79	2800,2802	*11*,11
14	14.8	+68 18	7.5	7.64	3152,3176,3492, 3502	24,*26*,04, 00
79	14.8	+48 18	6.4	6.27	3567,3871,4207	*20*,*03*,24
42	14.8	+37 41	6.8	*7.07*		. *03*,03
47	14.8	+15 42	7.0	*6.77*		A . .
36	14.8	− 3 2	7.8	7.05	3120,3137	06,*06*
38	15.0	+24 7	7.0	7.60	3145,3867	*02*,02
34	15.0	+ 5 44	8.0	7.19	3129 3130	*04*,04
37	15.0	+ 2 29	8.0	*7.99*		. A .
41	15.0	−18 15	6.7	6.88	3120,3136,3852	09,16,*25*
96	15.0	−25 41	7.5	7.58	2802,3136	03,*02*
52	15.1	−13 37	6.8	6.87	3120,3139,3852	25,*07*,*17*
47	15.2	+56 0	7.0	6.79	3559,3567,3871	11,*19*,07
84	15.2	+48 26	6.6	6.64	3567,3871,4207	14,13,*26*
42	15.2	+30 23	6.4	*5.92*		09, . *09*
100	15.2	−36 28	7.5	7.59	2783,2784,3542	08,*14*,06
43	15.3	+61 19	7.3	7.08	3152,3176	10,*10*
62	15.3	+44 57	7.5	*7.02*		A . .
31	15.4	+10 23	7.5	*7.17*		A . .
45	15.5	+32 21	6.0	5.98	3181,3867,4211	*08*,15,*07*
36	15.5	+ 7 38	6.2	5.42	3129,4211,4225	13,08,*20*
48	15.6	+32 25	7.0	6.98	3145,3181,3867	*08*,02,05
33	15.6	+17 56	7.5	7.72	3129,3130	*05*,05
20	15.8	+66 27	7.0	7.08	3152,3176	00,00
44	15.8	+12 13	7.2	*7.43*		. A .
32	15.8	+10 25	7.2	6.47	3870,3886	04,*04*
48	15.8	−20 29	7.8	8.07	3841,3842,3852, 3855,3864,3866, 3867,3870,3871, 3879,3901,3905, 3911,3913,3914, 3918,3921,3925	10,*07*,*26*, *08*,*02*,09, *02*,15,08, *11*,*15*,10, *01*,*02*,22, *07*,*09*,22

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
103	15.8	−24 11	7.0	6.74	2800,2802,3841, 3855	*12*,02,22, *13*
45	15.9	+37 25	5.7	*5.13*		. . A
53	15.9	+35 19	7.1	*7.32*		A . .
31	15.9	+24 47	7.5	*7.86*		A . .
38	16.0	− 3 28	7.0	7.05	3120,3137	*04*,04
98	16.0	−35 30	7.4	8.03	3136,3152,3542	*04*,17,*12*
72	16.0	−39 48	6.7	6.96	2774,3542	10,*09*
27	16.2	+67 16	6.5	6.74	3152,3176,3842	14,*16*,02
40	16.3	+26 24	7.5	8.20	3145,3178	00,00
104	16.3	−36 22	7.1	7.32	2774,2779,3542	07,03,*10*
48	16.4	+37 38	7.5	*7.00*		. A .
12	16.5	+70 56	7.3	7.78	3152,3176	00,00
86	16.5	−29 32	5.3	*5.36*		. 07,*06*
111	16.8	−23 34	7.3	7.40	2802,3136,3544, 3550,3559,3855, 3866,3870	*44*,11,*19*, 17,09,08, 12,05
39	16.9	+37 12	7.4	*7.65*		. 12,*12*
42	17.1	+34 59	6.8	*7.67*		A . .
43	17.1	+24 8	7.3	7.68	3145,3178	*10*,09
49	17.1	− 5 45	7.0	7.07	3120,3137	01,*01*
80	17.1	−38 57	8.1	8.03	2774,2779,3544	15,*01*,*15*
25	17.2	+12 57	6.2	6.33	3129,3130,4211	*06*,14,*08*
53	17.4	+54 5	7.1	7.30	3871,3879	01,*02*
49	17.6	+28 55	7.5	6.89	3145,3178,3867	21,*09*,*11*
36	17.7	+64 48	7.5	*7.39*		A . .
54	17.7	+38 12	7.0	*7.05*		. *05*,05
33	17.7	+21 50	7.5	7.58	3145,3178	00,*01*
58	17.7	− 9 47	7.8	8.37	3842	A
60	17.7	−12 46	6.5	*6.34*		. . A
67	17.8	+43 58	7.0	7.18	3492,3567	*11*,11
112	17.8	−35 57	7.5	7.57	2779,2783,3544	14,*03*,*12*
93	17.8	−37 58	6.9	7.16	2779,2783,3544	16,06,*21*
83	17.8	−39 49	6.6	6.72	2774,2779,2783, 3544	*16*,13,02, *01*
49	18.0	+55 15	8.0	8.00	3840,3840,3852, 3852,3855,3855, 3857,3857,3858, 3858,3859,3859, 3866,3866,3867, 3867,3870,3870, 3871,3871,3879, 3879,3886,3886, 3900,3900,3901, 3901,3905,3905, 3914,3914,3918, 3918,3921,3921	03,15,*25*, *11*,*01*,*12*, *26*,*05*,*16*, *28*,*07*,*42*, 21,*03*,11, *12*,*15*,*07*, *07*,09,11, 05,*30*,*07*, *02*,*01*,22, 39,19,17, 04,30,*04*, 04,10,23
58	18.0	−16 30	6.7	6.64	3120,3139,3852	15,04,*18*
138	18.3	−31 36	6.6	6.37	2062,2783,2784, 2786	*25*,*05*,31, *02*
45	18.4	+60 23	7.5	6.69	3871,3879	10,*10*
48	18.4	−19 26	7.5	7.13	3120,3852	22,*22*
101	18.4	−30 24	6.8	7.06	2783,2784,3544	04,*14*,10
72	18.7	+43 43	6.5	6.59	3492,4207,4211	*07*,00,07
52	18.8	+57 7	7.5	8.14	3559,3567	02,*02*
64	18.8	+53 16	7.3	7.45	3871,3879,4207	05,*05*
62	18.9	+51 28	6.0	*5.33*		. . A
105	19.1	−37 58	7.8	7.83	2779,2783,3544, 3550,3559,3562, 3866,3870,4207, 4227,4232	39,*11*,*07*, *02*,*30*,*05*, 04,*20*, R, *05*,34
69	19.3	+61 17	6.1	5.52	3149,3152,4211	02,06,*08*
55	19.4	+30 49	6.8	6.78	3867,3911	*06*,05
49	19.4	− 2 47	6.0	*6.28*		. 05,*04*
46	19.5	+13 45	7.0	*6.80*		. A .
61	19.7	+52 30	6.0	5.68	3144,4207,4211	12,*11*,*02*
88	19.7	+47 29	7.2	7.61	3492,3871	02,*02*
53	19.8	−19 1	7.3	7.04	3120,3139	11,*12*
16	20.0	+71 15	6.6	6.94	3149,3152,3842	00,04,*03*
80	20.1	+39 17	7.4	7.88	3181,3182,3563, 3911,4211	*18*,32,02, 01,*16*
51	20.1	+34 29	7.0	7.80	3181,3182	00,00
154	20.1	−31 15	7.4	7.56	2783,2784,3866	*14*,12,03
77	20.2	+57 25	7.5	7.66	3144,3559	*16*,16
44	20.3	+64 50	7.0	*7.55*		A . .
57	20.3	+54 27	7.0	6.92	3144,3492,3871	*12*,04,07
57	20.3	+ 1 23	6.2	*6.06*		13, . *12*
51	20.4	−17 59	6.8	7.31	3120,3139	06,*06*
92	20.4	−39 49	6.8	6.91	2779,2779,2783, 3544	04,14,*17*, *01*
43	20.5	+ 7 9	7.3	*7.18*		. A .
59	20.6	+54 56	7.4	*7.32*		*01*,11,*09*
10	20.7	+79 30	7.0	6.53	3149,3152,3842	01,09,*09*
72	20.7	+56 13	7.0	6.80	3144,3492,3871	*10*,*21*,32
65	20.7	−22 11	7.0	7.32	2786,2793	*06*,07
69	20.8	+35 16	7.4	*7.37*		A . .
64	20.8	+19 37	6.5	*6.57*		A . .
118	20.8	−28 16	6.8	7.04	3112,3116,3152	12,*03*,*10*
126	21.0	+48 29	7.3	7.12	3492,3871	00,00
162	21.0	−31 18	7.2	7.55	2783,2784	*13*,13
56	21.1	+24 11	7.2	7.48	3145,3178	00,*01*
46	21.1	+ 3 16	7.4	6.93	3129,3130,3870	*01*,07,*05*
74	21.2	+56 5	6.5	*6.65*		. . A
70	21.3	−22 14	7.5	7.52	2786,2793	04,*03*
R	21.3	−42 51	. .	2.42	3129,3182,3490, 3542,3550,3859, 3866,3925,4207, 4236,4278	08,*26*,*10*, 02,02,64, *03*,*15*,*03*, *17*,*04*
R	21.3	−44 14	. .	3.69	3129,3136,3155, 3182,3490,3542,	13,*05*,11, *35*,06,*04*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3544,3550,3922, 4207,4278	01, R ,*13*, 14,13
44	21.4	+33 38	7.2	7.80	3181,3182	00,00
58	21.4	−19 15	7.0	6.51	3120,3139,3852	24,*19*,*05*
63	21.5	− 0 36	6.2	*6.36*		. 09,*09*
55	21.8	+59 12	7.1	7.43	3144,3559	*03*,03
91	21.8	+49 26	7.1	6.68	3492,3528,3871	06,*16*,09
52	21.8	+24 29	6.5	6.68	3867,3911	02,*03*
53	21.9	+25 2	7.2	*7.90*		A . .
44	21.9	+20 42	7.3	*8.05*		A . .
64	22.0	− 5 34	7.0	7.17	3120,3137	01,*01*
85	22.1	+58 0	7.3	7.24	3144,3528	06,*07*
55	22.1	+25 44	7.5	*7.71*		A . .
76	22.1	−10 26	7.2	7.29	3120,3139,3143, 3145,3161,3164, 3495,3504,3519, 3865,3866,3867	*05*,13,09, 15,*20*,01, 14,*17*,*13*, *05*,00,06
59	22.3	+15 28	6.7	*6.57*		A . .
138	22.3	−26 6	6.5	5.95	2786,2793,3855, 4207	01,*06*, T , 04
130	22.4	−28 48	6.8	6.94	2786,2793,3855	11,*14*,02
136	22.5	−32 23	7.5	7.46	2783,2784,3525, 3855,3866,3870	10,16,*53*, *04*,24,06
61	22.6	−16 58	7.3	7.17	3139,3143	*02*,02
67	22.6	−20 42	6.5	6.78	3855,3866	*06*,07
51	22.7	+18 58	6.8	*6.65*		. A .
55	22.8	+17 21	5.4	*5.30*		. 04,*03*
92	22.9	+43 51	5.5	5.04	3160,3528,4211	*14*,*03*,17
73	22.9	+20 15	7.2	*7.60*		A . .
152	22.9	−33 34	5.2	5.10	3182,3490,3542, 3544,3550,3859, 3864,3866,3911, 3925,4207,4236, 4278,4280	04,*01*,07, 08,00,*20*, R ,14,07, *04*,*11*,*11*, 13,*07*
63	23.0	+15 54	6.0	*6.25*		. . A
72	23.0	−12 13	6.7	7.54	3139,3143,3145, 3155,3161,3164, 3185,3186,3191, 3192,3488,3490, 3495,3865,3866, 3867,3879,3879, 3886,3886,3901, 3901,3901,3901, 3905,3905,3905, 3905,3911,3911, 3911,3911,3913, 3913,3913,3913, 3921,3921,3921, 3921,4211,4227, 4227,4228,4228, 4232,4232,4233, 4233,4235,4235, 4236,4236,4239, 4239,4252,4252, 4256,4256,4265, 4265,4280,4280, 4286,4286,4292, 4292.4297,4297	*12*,*26*,00, 01,15,26, *09*,07, R, 68,13,28, 14,12,06, 10,02,*05*, 08,02,15, *04*,29,30, 15,29,09, 36,28,*01*, *04*,16,29, 17,31,14, *03*,07,01, 18,*14*,*22*, *14*,*43*,*36*, *07*,*09*,*39*, *20*,*26*,*40*, *31*,*23*,*29*, *17*,10,*04*, *09*,*01*,14, 19,*17*,03, 07,27,*26*, *04*,*51*,*58*
51	23.2	+33 15	7.0	7.30	3145,3181	00,00
59	23.2	+31 53	6.7	6.72	3181,4211,4228	*02*,*09*,10
47	23.2	+ 9 39	6.5	*6.02*		. *07*,06
125	23.2	−29 36	6.7	6.81	2786,2790,4207, 4227,4232	12,*25*,*05*, 11,08
65	23.4	+56 40	7.1	7.30	3144,3160	00,00
69	23.4	+33 5	7.5	7.55	3145,3181	15,*15*
57	23.4	−20 53	6.3	6.50	3855,3866,4207	00,14,*13*
126	23.4	−29 51	6.9	7.24	2786,2790	*01*,02
113	23.5	+47 51	6.8	7.52	3160,3492	*02*,03
75	23.5	−11 48	6.7	6.87	3139,3143,3866	*05*,*09*,14
93	23.5	−40 28	5.9	5.44	3859,3911,3925, 4236,4278	12,02,*04*, *08*,*01*
66	23.7	+36 21	6.3	6.44	3181,3182,3867	*04*,16,*12*
155	23.9	−25 12	7.1	7.10	2793,3136	*18*,18
77	24.1	−12 9	7.8	7.66	3901,3901,3905, 3905,3911,3911, 3913,3913,3921, 3921	17,11,*04*, 11,09,*17*, *05*,*05*,*20*, 03
67	24.2	+56 29	7.2	7.25	3144,3160	*05*,05
66	24.2	+24 21	7.5	7.78	3145,3181	00,*01*
132	24.2	−27 34	7.5	7.86	2790,2793	*18*,18
10	24.4	+76 28	6.5	6.38	3842,3859	*11*,11
71	24.4	+32 27	7.5	7.77	3182,3563	03,*03*
51	24.4	− 4 2	7.4	7.07	3137,3139	*01*,01
53	24.6	+64 12	7.0	7.16	3149,3152	*02*,02
75	24.6	+37 47	7.4	*7.47*		. A .
57	24.6	− 3 24	7.1	7.04	3139,3143,3866	06,*16*,11
163	24.6	−33 8	7.4	7.60	3152,3525,4207, 4227,4232	*04*,04,03, *19*,17
68	24.8	+59 25	6.0	5.84	3144,3528,4211	*04*,04,01
75	24.8	+29 12	5.9	5.21	3178,4211,4228	*11*,18,*06*
84	24.8	−15 25	6.2	*6.26*		09, . *10*
154	24.8	−32 40	6.5	6.76	2784,2790,3525	16,*19*,02
54	24.9	− 4 31	5.5	*5.97*		10, . *10*
63	25.0	+ 4 18	7.0	6.61	3129,3130,3870	01,19,*19*
101	25.1	+61 48	7.5	7.31	3149,3152	03,*03*
53	25.1	+15 14	7.8	7.36	3886,4211	15,*15*
29	25.2	+69 14	7.2	7.41	3149,3152	*17*,17
70	25.2	+56 32	7.2	7.65	3144,3160	05,*05*
95	25.3	+46 59	7.4	7.79	3160,3492	01,*01*
179	25.4	−24 21	5.2	*5.22*		. *01*,02

0^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
88	25.5	+55 9	6.8	6.70	3871,3879	09,*09*
104	25.5	+40 58	7.3	7.53	3182,3563	17,*17*
71	25.6	+56 49	7.0	7.65	3144,3160	*15*,15
108	25.6	+49 43	7.5	7.42	3492,3559	*07*,08
69	25.6	+15 28	7.0	*6.94*		A . .
67	25.7	+65 58	6.5	6.09	3155,3176,4211	08,*01*,*07*
97	25.8	+43 24	6.7	6.68	3492,3502,4211	*09*,08,00
74	26.0	+41 59	7.5	8.24	3492,3502	07,*08*
89	26.0	−10 38	7.2	6.64	3139,3143,3866	*02*,*06*,08
64	26.1	+38 26	7.3	7.32	3182,3563	08,*08*
80	26.1	+33 2	6.0	*5.97*		. . A
82	26.2	+53 59	5.2	4.87	3191,4211,4223	03,02,*04*
92	26.2	+52 17	6.2	5.75	3191,3198,3871, 4211,4223,4228	*35*,05,30, *01*,09,*08*
54	26.2	+20 34	7.5	*7.90*		A . .
53	26.2	+20 16	7.3	*7.40*		A . .
151	26.2	−38 10	7.5	8.00	3136,3152,3490	*10*,04,06
57	26.3	+10 59	7.5	*7.26*		. A .
73	26.4	+15 28	7.0	*7.09*		A . .
64	26.4	+ 8 36	7.5	7.29	3129,3130	*04*,04
47	26.5	+12 22	7.2	*7.40*		. A .
165	26.5	−37 45	7.5	8.04	3136,3152,3490	*18*,25,*06*
85	26.6	+53 16	7.4	7.05	3144,3160	*05*,05
69	26.6	− 2 21	7.3	6.78	3137,3139,3852	*19*,22,*02*
101	26.7	+46 35	7.5	8.08	3492,3502	16,*15*
67	26.7	+19 5	7.0	7.32	3129,3130	15,*15*
98	26.8	+57 47	7.1	7.02	3191,3198,3871	T ,*22*,23
73	26.9	+34 26	6.5	6.64	3867,3911,3913	*10*,02,08
92	27.0	+51 11	7.1	7.13	3191,3198,3871	*23*,*03*,27
99	27.1	+42 57	6.5	*6.43*		. . A
74	27.1	−18 47	7.0	7.29	3139,3143	*07*,07
90	27.2	+53 34	7.3	7.10	3144,3160	*10*,10
24	27.3	+70 26	6.2	6.36	3176,4211,4223	*08*,*08*,17
102	27.3	+62 23	4.5	4.23	3112,3113,3119, 3131,3137,3143, 3145,3149,3164, 3178,3182,3185, 3191,3196,3198, 3473,3475,3477, 3490,3495,3504, 3519,3528,3550, 3562,3567,3852, 3864,3865,3870, 3879,3903,3913, 3920,3921,3922, 3924,3934,4207, 4211,4235,4236, 4239,4256,4277, 4278,4280,4286, 4289	05,*06*,15, 05,*06*,24, 04,21,03, *26*,*17*,15, *06*,*15*,*26*, *01*,08,*19*, 08,*16*,*09*, *18*,*03*,*04*, 16,00,00, *47*,13,13, 06,05,06, *12*,07,04, *15*,*21*,*09*, *19*,07,33, 15,*12*,23, 01,11,08, 07
78	27.3	+56 38	7.5	8.00	3144,3191	10,*10*
79	27.3	+19 45	5.5	5.42	3129,3504,4211	15,04,*18*
67	27.3	+18 14	7.1	7.03	3129,3130,3145, 3155,3195,3196, 3504	*06*,*06*,*05*, *07*,33,04, *16*
64	27.3	+ 6 25	6.2	*5.65*		. *12*,12
185	27.3	−25 12	7.3	7.30	3136,3152	*02*,03
68	27.4	+38 18	7.0	7.05	3182,3563	05,*05*
76	27.4	+27 1	6.8	6.61	3196,3562,4211	*01*,*16*,17
79	27.4	+22 38	7.5	7.00	3196,3562,3867	07,*16*,08
84	27.6	+27 44	7.0	6.38	3196,3562,3867	02,*03*,02
160	27.6	−25 55	6.9	6.87	3136,3152,3855	09,*06*,*02*
101	27.7	+54 21	6.5	6.11	3144,3192,4211	*01*,09,*09*
68	27.7	+17 50	8.5	7.56	3195,3198	10,*09*
74	27.7	+15 38	7.1	6.90	3870,3886	*01*,01
115	28.1	+39 33	7.2	7.86	3182,3563	04,*04*
69	28.1	+13 18	7.4	*7.73*		. A .
59	28.1	− 4 24	7.5	7.46	3137,3139,3495, 3504,3544,3852, 3866,3870,3886	R ,02,*12*, 02,23,*18*, *04*,02,02
83	28.4	+19 54	7.5	*7.60*		A . .
60	28.4	− 1 10	7.5	7.07	3139,3143,3857, 4227	23,*19*,00, *03*
70	28.6	+66 12	6.5	*6.42*		A . .
164	28.6	−26 39	7.2	7.47	3136,3152,3161, 3166	*04*,12,*21*, 13
165	28.6	−38 40	6.8	7.12	2779,2784,3490, 3519	*04*,*04*,07, 01
98	28.7	+53 31	7.3	7.55	3160,3198	*05*,05
156	28.7	−30 7	5.8	5.62	3145,3186,3859, 3864,3911,3925, 4236,4278,4280	35,16,*10*, *44*,04,*04*, *06*,18,*09*
39	28.8	+66 58	7.5	7.31	3149,3152	03,*03*
107	28.8	+62 22	7.5	7.51	3149,3152	*07*,07
170	28.8	−35 32	6.5	6.52	2779,2784,3490, 3519	22,00,*15*, *07*
138	28.9	+47 22	7.4	7.39	3492,3502	03,*03*
77	28.9	+31 5	7.5	7.66	3182,3563	14,*15*
73	29.0	+13 58	7.5	*8.01*		. A .
62	29.0	+ 9 45	6.8	*6.79*		. A .
215	29.0	−30 53	7.5	8.33	3136,3550,3855	*05*,18,*12*
109	29.4	+62 26	7.4	7.36	3149,3152	08,*08*
83	29.4	− 5 6	7.0	6.97	3139,3143,3852, 3866,3905	01,*13*,*07*, 06,12
82	29.4	− 7 3	7.7	*6.84*		. . A
115	29.6	+40 49	7.5	8.38	3182,3563	02,*03*
56	29.7	+67 23	6.8	7.46	3149,3155	*02*,01
87	29.8	+36 17	6.6	6.82	3182,3563,3867	18,*24*,05
57	29.8	+12 50	6.0	6.47	3129,3130,4211	10,10,*20*
174	29.8	−38 33	7.0	7.37	2779,2784,3490,	05,03,*07*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3519	00
100	30.0	+53 39	7.1	7.10	3160,3198	*20*,20
171	30.0	−26 41	7.2	7.66	3136,3152	*03*,03
115	30.1	+52 56	7.5	7.18	3492,3502	15,*15*
62	30.1	− 4 9	5.0	4.66	3137,4227,4228	R, R, A
83	30.2	+24 34	7.5	8.06	3196,3562	11,*10*
177	30.3	+48 29	6.7	7.00	3492,3502,3871	17,*31*,14
75	30.3	+33 54	7.5	7.80	3182,3563	10,*10*
68	30.4	− 1 4	5.8	5.44	4228	A
113	30.5	+54 18	7.5	7.70	3144,3192	00,00
102	30.5	+53 38	5.8	5.21	3144,3160,3502	*01*,*21*,22
91	30.6	+56 45	7.4	7.60	3160,3191,3192	10, R ,*10*
145	30.7	+48 0	6.8	7.42	3492,3502	17,*17*
98	30.7	+37 42	7.2	7.40	3182,3563	20,*20*
59	30.7	+12 40	6.5	6.38	3129,3130,4211	*13*,25,*11*
84	30.8	+59 47	6.0	*5.92*		. . A
110	30.9	+44 6	7.0	7.33	3492,3502	10,*10*
82	30.9	+23 29	7.0	7.30	3196,3562	17,*17*
96	30.9	− 6 7	6.5	6.61	3139,3143,3852	*03*,*17*,19
91	31.1	+26 42	6.5	*6.40*		. . A
109	31.1	−15 32	6.8	6.46	3852,3857	*02*,02
220	31.1	−23 24	6.1	*6.15*		. 09,*09*
70	31.2	−21 18	7.5	7.87	2800,3136	*09*,09
115	31.3	+54 25	6.8	*7.26*		A . .
113	31.3	+43 57	5.4	5.46	3195,3492,3502,	44,06,*27*,
					3859,3871,3879,	*19*,21,*21*,
					4223,4228,4232	01,*07*,01
105	31.4	+53 21	4.1	3.65	3131,3144,4223	*25*,05,20
35	31.5	+72 21	6.7	7.06	3149,3155	03,*02*
101	31.5	+33 10	4.1	*4.50*		. . A
113	31.6	+57 28	7.0	7.40	3131,3144	20,*20*
76	31.6	+14 41	6.1	*5.90*		04, . *03*
168	31.7	−27 58	7.5	7.89	2800,3136	01,*01*
105	31.8	−11 40	7.5	7.85	3139,3143	*03*,03
43	31.9	+67 6	7.3	7.70	3149,3155	04,*03*
84	31.9	+23 28	6.0	6.36	3196,3562,4228	11,*07*,*04*
86	32.0	+34 51	5.8	5.64	3867,4228,4232	*06*,04,01
138	32.1	+39 47	6.5	6.91	3867,3911	25,*25*
65	32.1	+10 53	7.3	*7.23*		. A .
13	32.2	+81 56	6.5	*6.44*		00, . 00
225	32.2	−25 19	5.8	5.62	3136,4207	06,*07*
124	32.3	+46 58	7.3	8.30	3195,3198	*10*,10
125	32.4	+46 51	7.2	7.75	3195,3198	05,*05*
80	32.4	+ 2 35	6.8	6.58	3129,3130,3870	*16*,22,*05*
205	32.4	−37 51	7.1	6.80	2784,2790,2793,	08,*11*,02,
					3490,3519,3542	03,02,*02*
82	32.5	+20 33	7.5	6.94	3867 3911	*01*,00
91	32.8	+59 46	7.0	*7.14*		A . .
108	32.9	+ 2 12	7.5	7.76	3129,3130	*04*,04
75	33.0	− 1 3	6.8	*6.94*		. 21,*21*
92	33.1	+59 16	6.5	6.66	3859,3871	*19*,20
177	33.1	−28 11	7.5	7.95	2793,2798	17,*17*
129	33.2	+46 25	7.0	6.84	3192,3195,3859	06,26,*31*
103	33.3	+28 46	4.5	*4.45*		. . A
14	33.4	+76 20	7.0	*7.02*		A . .
192	33.6	+48 49	6.0	5.76	3871,4223,4228	13,07,*21*
84	33.6	−20 51	6.2	*6.67*		. . A
244	33.6	−24 9	7.2	7.12	2793,2798	*18*,19
92	33.7	+25 47	6.5	*7.26*		A . .
234	33.8	−25 40	6.5	6.64	2793,2798,3855	*05*,02,02
91	34.0	+30 19	3.3	*3.53*		13, . *13*
84	34.0	+ 2 34	7.5	7.41	3129,3130	*09*,09
130	34.1	+62 41	7.5	7.70	3149,3155	04,*03*
85	34.2	+20 43	6.2	6.06	3867,4228,4232	09,*02*,*06*
32	34.3	+70 10	7.0	*7.17*		A . .
70	34.4	+10 59	7.3	7.49	3129,3130	*04*,04
88	34.5	+58 54	7.0	7.17	3131,3144,3160	13,*17*,03
87	34.6	+20 54	5.5	5.54	3867,4228,4232	01,*01*,00
89	34.7	+58 57	7.3	7.57	3131,3144,3160	*07*,*07*,13
113	34.7	−11 42	6.9	6.79	3139,3143,3852	*17*,*01*,18
139	34.8	+55 59	var.	2.69	3131,3192,4223	*19*,31,*12*
16	35.0	+81 15	8.9	8.58	4053,4063,4077	*09*,22,*12*
205	35.0	−37 58	7.9	8.07	3542,3857,4227,	*09*,*12*,26,
					4256	*05*
92	35.1	+23 30	6.5	7.18	3196,3562	19,*19*
101	35.2	+23 14	7.5	8.03	3196,3562	14,*14*
154	35.3	+39 40	7.0	7.52	3182,3563	08,*08*
109	35.5	−17 4	6.5	6.46	3139,3143,3852	19,03,*21*
263	35.5	−24 21	6.3	*6.29*		. 05,*05*
81	35.6	+65 19	7.0	*7.10*		A . .
126	35.6	+51 39	7.0	6.83	3131,3144,3160	17,*13*,*03*
101	35.6	− 4 54	6.3	*6.08*		02, . *03*
195	35.6	−29 58	6.6	6.88	2798,2800,3855	02,04,*07*
90	35.7	+38 55	5.5	*5.27*		. . A
117	35.7	− 7 46	7.0	6.99	3137,4227,4232	05,*09*,04
90	35.8	+20 29	7.0	*7.30*		A . .
83	36.1	+65 36	6.0	*5.97*		. . A
94	36.1	+ 8 48	7.0	6.53	3129,3130,3870	*08*,30,*21*
100	36.3	+59 23	7.2	7.35	3131,3192	*05*,05
94	36.3	+24 5	6.0	*6.01*		. . A
39	36.4	+70 50	7.0	7.30	3149,3155	24,*23*
164	36.5	+49 58	5.1	*4.90*		. . A
91	36.5	−20 51	7.5	7.93	2793,2798,2800	*02*,06,*03*
158	36.6	+40 9	7.0	7.21	3867,3911,4228,	45,*18*,05,
					4232,4233	*07*,*23*
264	36.6	−25 45	6.8	6.74	2798,2800,3855,	12,04,*16*,
R	36.6	−46 38	. .	4.89	3519,3519,3866,	22,*14*,14,
					3866,3921,3921,	18,*04*,*43*,
					4278,4278	14,*05*
132	36.7	+58 13	6.5	6.13	3131,3160,3859	*13*,17,*05*

0^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
135	36.8	+43 23	7.0	7.60	3192,3195	*10*,10
81	36.9	+63 45	7.3	7.40	3149,3155	04,*03*
133	37.0	+51 48	7.0	6.93	3131,3144,3160	17,*13*,*03*
108	37.2	+27 6	7.2	7.41	3196,3562	*01*,01
93	37.2	+ 3 37	7.3	7.61	3129,3130	01,*01*
121	37.2	−12 21	7.0	6.94	3139,3143,3185, 3186,3192,3488, 3490,3495,3852, 3857,3865,3866, 3905,4227,4227, 4228,4228,4232, 4232	*22*,04,*09*, 47,28,*07*, 09,04,*28*, *08*, R ,*03*, 20,06,24, *42*,*45*,14, 17
181	37.4	+45 23	7.0	*7.37*		A . .
106	37.6	+16 7	7.3	6.65	3129,3130,3870	*08*,12,*05*
123	37.7	−20 45	7.0	7.50	2793,2798	*09*,09
140	37.8	−10 28	7.0	6.54	3139,3143,3852	08,04,*11*
241	37.8	−36 34	7.1	7.21	2784,2798,3519	11,08,*18*
146	37.9	+46 29	4.5	5.10	3195,3859,4223	00,*10*,09
175	37.9	−39 1	6.0	5.89	3116,3130,3145, 3185,3186,3495, 3550,3550,3559, 3852,3857,3864, 3866,3911,3925, 4227,4227,4228, 4228,4232,4232, 4236,4239,4278, 4280	03,18,04, *01*,*17*,*04*, *05*,*07*,*10*, *04*,*27*,32, 00,14,*17*, 14,24,02, 06,16,06, *12*,05,*15*, *21*
85	38.0	− 4 25	7.5	*7.35*		A . .
109	38.3	− 6 53	7.8	7.52	3137,3139	*04*,04
219	38.4	+48 31	6.9	7.30	3192,3195	*20*,20
223	38.4	−38 32	7.7	7.72	2779,2784,2798	00,*12*,13
122	38.5	+32 46	6.8	7.02	3182,3563	08,*09*
115	38.6	−18 32	2	*2.33*		. *02*,02
58	38.7	+66 37	6.8	6.85	3149,3155,3859	*01*,*08*,10
131	38.7	+53 36	7.5	7.33	3131,3144,3160	*03*,07,*03*
180	38.7	+47 39	8.6	9.01	3921,3922,3925	*03*,03,01
187	38.7	+45 42	7.2	*7.52*		A . .
181	38.8	+47 19	5.8	*5.60*		. . A
126	38.8	−12 33	6.0	6.06	3139,3852,3852, 3852	*04*,07,*04*, 01
27	39.0	+74 26	5.5	5.65	3112,3113,3130, 3131,3137,3139, 3164,3167,3168, 3182,3185,3186, 3191,3198,3473, 3488,3495,3502, 3504,3528,3550, 3559,3562,3567, 3570,3842,3855, 3858,3864,3865, 3879,3886,3911, 3913,3914,3921, 3924,3928,3934, 3937,4207,4211, 4236,4239,4252, 4256,4277,4278, 4284,4292,4297, 4299,4300	*20*,20,*02*, 20,*01*,*09*, *13*,*22*,18, *22*,*10*,*09*, *21*,10,04, *06*,*03*,*15*, 30,*10*,26, *12*,01,*04*, 18,*10*,*04*, 30,*15*,17, 08,*09*,*16*, 12,*05*,*14*, 05,08,16, 10,08,07, *01*,07,45, *12*, R ,00, *04*,07,*21*, *29*,11
124	39.0	+33 5	7.5	7.70	3563,3567	*06*,06
225	39.0	−38 1	7.2	7.54	3136,3152,3544, 3550,3562	19,02,*18*, 12,*17*
167	39.1	+40 8	7.1	7.48	3911,4228,4232	02,05,*08*
165	39.2	+61 59	6.8	6.84	3149,3155,3879	00,*07*,06
183	39.2	+47 44	4.8	*4.77*		. . A
128	39.2	−11 9	5.0	*4.88*		. . A
223	39.4	−27 4	7.4	7.73	3488,3490,3519, 3525	*12*,12,07, *08*
181	39.4	−38 59	5.8	6.02	3116,3130,3185, 3186,3495,3519, 3550,3857,3864, 3866,3911,3925, 4227,4227,4228, 4228,4232,4232, 4236,4239,4280	*10*,05,*04*, 20,*08*,*16*, *08*,*14*,31, *14*,05,*21*, 13,*10*,17, 26,*12*,10, *14*,*11*,10
124	39.5	−13 57	7.3	7.63	3139,3143,3857, 3866,3905,4227, 4228,4232	*03*, R ,*15*, 01,16,10, *14*,07
143	39.6	+54 40	5.8	5.50	3144,4223,4228	00,01,00
127	39.8	−22 34	5.5	*5.34*		. 02,*03*
274	39.9	−31 56	7.5	7.61	3136,3152,3544, 3550,3559	*09*,09,12, 06,*16*
113	40.0	+23 3	7.0	7.26	3196,3562	01,*01*
109	40.0	− 0 18	6.8	6.97	3137,3139,3866	02,*07*,04
49	40.3	+68 47	6.4	6.42	3149,3155,3859	*08*,25,*16*
187	40.3	+47 42	9.0	8.75	3858,3858,3859, 3859,3865,3865, 3866,3866,3867, 3867,3870,3870, 3871,3871,3921, 3922,3925	*06*,*22*,*35*, *24*,01,19, 01,07,18, 22,*15*,*05*, 01,08,22, 08,06
120	40.3	− 5 11	6.5	6.38	3857,3866	*03*,04
190	40.4	+47 48	9.0	9.75	3921,3922,3925	01,09,*09*
128	40.4	−13 26	6.3	*6.02*		. . A
158	40.5	+40 16	7.5	*7.67*		10,*10*, .
112	40.5	+25 38	7.0	*7.86*		A . .
148	40.6	+54 45	7.3	6.53	3144,4223,4228	*03*,04,*01*
160	40.7	+44 18	6.3	*6.05*		. 02,*02*
132	40.7	−16 58	6.5	6.32	3139,3143,3857	03,07,*09*
101	40.9	+59 2	6.5	6.49	3131,3144,3859	11,01,*11*
162	40.9	+44 53	7.5	*7.82*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
196	41.0	+47 44	9.2	9.92	3921,3922,3925	16,*15*,00
146	41.0	+43 45	7.5	7.95	3195,3198	05,*05*
29	41.1	+74 18	5.8	*5.48*		. . A
165	41.1	+46 22	7.0	7.35	3195,3198	15,*15*
282	41.1	−31 16	7.4	7.70	2783,2784,3550	*08*,08,01
132	41.2	−11 59	7.3	7.60	3139,3143	*08*,08
293	41.2	−23 4	5.8	5.62	3504,4227,4232	*13*,10,03
116	41.3	+59 44	7.5	7.65	3131,3144	*05*,05
199	41.3	+45 49	7.5	7.60	3195,3198	20,*20*
111	41.3	+14 55	5.0	5.52	3870,4228,4232	*03*,*08*,11
87	41.3	+12 36	7.5	7.69	3129,3130	06,*06*
25	41.5	+77 56	7.0	7.22	3149,3155	07,*08*
103	41.5	+21 5	7.3	*7.05*		A . .
37	41.6	+72 8	6.5	5.92	3149,3155,3859	*03*,12,*09*
201	41.7	+47 16	7.9	8.21	3921,3922,3925	*12*,*03*,15
228	41.7	−30 44	6.5	6.89	2783,2784,3504, 3855,3857,3866, 4227,4232,4233	*03*,11,*49*, 01,*04*,10, 20,13,03
96	41.8	+11 25	5.2	*5.66*		. . A
101	41.9	+19 1	6.3	*6.08*		. . A
18	42.0	+81 25	7.6	7.55	3477,3490,4053	00,*08*,07
106	42.0	+23 43	3.9	4.31	3145,3196,4228	*13*,16,*04*
82	42.2	+64 34	7.0	7.06	3149,3155	*02*,01
104	42.2	+ 6 12	6.8	*6.20*		. 11,*12*
143	42.3	+50 54	7.5	6.76	3131,3144,3145, 3145,3185,3186, 3192,3192,3488, 3490,3857,3859, 3865,3865,3871, 3879	*06*,*16*,*06*, *06*,04,04, 24,14,*20*, 02,06,*20*, 05,02,11, 01
103	42.3	+18 22	7.5	7.52	3129,3130	05,*05*
118	42.4	+25 44	7.0	*7.06*		A . .
145	42.5	+35 57	7.4	7.80	3167,4228,4232	*10*,13,*02*
146	42.5	+35 40	7.4	*8.02*		A . .
99	42.5	− 2 52	7.0	7.34	3137,3139	*05*,06
105	42.6	+20 23	6.5	6.50	3867,3911	*05*,05
127	42.7	−18 37	6.5	*5.88*		. . A
241	42.8	+49 10	7.4	7.80	3192,3195	*20*,20
302	42.8	−31 54	6.8	7.13	2783,2784,3504	*04*,02,01
273	42.8	−37 29	7.5	7.67	3136,3152,3550, 3559	11,14,08, *34*
150	43.0	+57 17	3.8	3.65	3131,4223,4228	05,*04*,*01*
153	43.0	+51 33	7.0	6.84	3131,3144,3871, 3871	*04*,06,*09*, 06
134	43.0	−22 16	6.2	*5.42*		. 12,*11*
240	43.0	−29 54	7.2	7.56	2798,2800	14,*14*
105	43.1	+ 6 45	7.0	*6.10*		. 04,*05*
123	43.1	+ 4 46	6.0	*5.89*		. 04,*04*
147	43.2	+50 25	5.2	5.15	3131,3144,4223	*25*,05,20
131	43.4	+56 32	7.3	7.20	3131,3144	10,*10*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
53	43.5	+70 38	7.3	*7.39*		A . .
138	43.5	+32 23	7.5	7.70	3167,3196	*10*,10
105	43.5	+18 8	7.5	7.62	3129,3130	*05*,05
107	43.5	+ 7 2	4.5	*4.52*		. . A
27	43.6	+77 25	6.7	6.75	3149,3155,3859	04,09,*12*
46	43.6	+70 14	7.0	*7.01*		A . .
106	43.6	+17 47	7.5	7.62	3129,3143	15,*15*
76	43.7	+16 24	5.7	5.19	3130,4228,4232	38,*40*,03
130	43.7	−18 5	7.3	7.87	3139,3143	*02*,02
127	43.8	+28 11	7.5	7.30	3196,3562	10,*09*
117	43.8	+14 16	6.8	*7.09*		A . .
225	43.8	−29 3	6.5	6.66	2798,2800,3855	*01*,02,*02*
209	43.9	+45 58	7.0	7.30	3168,3192	00,00
176	44.0	+47 13	6.5	6.97	3192,3195,3871	*07*,13,*07*
159	44.1	+43 32	7.5	8.00	3192,3195	*10*,10
119	44.1	−21 41	7.0	7.05	2798,2800,2802	11,13,*25*
274	44.2	−36 49	7.2	7.60	2783,2793,3550	00,*06*,05
43	44.3	+73 1	7.5	7.97	3149,3155,3185, 3186,3192,3488, 3490,3495,3859, 3865,3867	12,07,*16*, 09,08,*10*, 10,07,*23*, 10,*17*
171	44.3	+40 32	4.7	*4.43*		. . A
145	44.3	−14 6	5.3	5.72	3852,4227	*07*,08
345	44.3	−24 41	6.1	*6.06*		. 05,*06*
315	44.4	−23 46	7.3	7.22	2798,2800	*01*,00
249	44.5	+48 51	7.3	8.20	3192,3195	*20*,20
131	44.5	+27 10	5.3	5.55	3562,4228,4232	*06*,04,02
347	44.6	−23 55	6.5	6.22	2798,2800,3855	*01*,*10*,10
99	44.7	+63 42	5.8	5.59	3155,4223,4228	*02*,*10*,13
176	44.7	+44 27	6.8	6.21	3195,3198,3528, 3559,3567,3871, 3877,3905,4223, 4228,4232	39,*31*,*22*, *35*,09,12, *12*,17,14, 06,05
104	44.8	− 0 46	7.0	6.80	3137,3139,3857	09,*10*,01
172	45.0	+40 16	7.5	*7.97*		A . .
19	45.1	+82 34	9.2	9.45	4053	A
153	45.1	−11 11	5.8	*5.21*		. . A
178	45.2	+61 16	6.2	6.36	3149,3155,3859	08,01,*10*
161	45.2	+50 58	6.7	6.39	3871,3879	*04*,04
123	45.3	+25 2	7.4	*7.41*		A . .
111	45.3	+20 38	7.5	*7.80*		A . .
160	45.4	+63 14	7.0	7.06	3149,3155	*02*,01
215	45.4	+46 11	7.1	7.85	3169,3195	*05*,05
20	45.5	+83 10	6.5	*5.59*		05, . *05*
222	45.5	+47 40	7.0	7.90	3168,3169	10,*10*
22	45.6	+81 23	9.2	9.00	4053,4063,4064	*04*,10,*06*
151	45.7	+37 30	7.0	7.30	3167,3196	00,00
57	45.8	+71 6	7.3	8.00	3149,3155	14,*13*
164	45.8	+51 2	6.7	6.17	3871,3879	*10*,10
149	45.9	+ 2 12	7.3	7.66	3129,3130	*14*,14

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
177	46.0	+40 43	7.3	*7.22*		A . .
129	46.0	+32 7	7.1	7.30	3167,3196	*10*,10
226	46.1	+47 31	7.2	7.60	3168,3169	00,00
138	46.1	− 5 35	7.2	6.76	3137,3139,3143	*10*,12,*02*
222	46.2	+50 14	7.5	*7.67*		A . .
257	46.2	+48 27	7.5	7.65	3168,3169	05,*05*
118	46.2	+ 2 50	6.2	*6.51*		. . A
111	46.3	+22 5	7.0	7.29	3196,3562	08,*08*
106	46.3	+12 14	7.0	*6.76*		. A .
173	46.3	− 9 57	6.5	*7.06*		A . .
57	46.4	+68 20	7.4	7.12	3149,3155,3859	02,15,*16*
183	46.4	+47 4	8.5	8.51	3921,3922,3925	*06*,15,*10*
40	46.5	+73 48	7.5	7.56	3149,3155	*07*,08
117	46.5	+33 21	7.0	7.05	3167,3196	*05*,05
113	46.5	− 3 41	7.3	7.03	3137,3139,4227	*14*,07,06
208	46.6	−39 4	6.9	6.98	2800,2802,3550	04,05,*09*
50	46.9	+69 25	7.5	7.36	3149,3155	*12*,11
24	47.0	+80 45	9.1	8.94	4053,4063,4077	*14*,*03*,18
128	47.0	+25 14	7.5	*7.74*		A . .
124	47.1	+60 34	5.0	4.97	3169,4223,4228	*01*,02,*02*
143	47.2	+56 41	7.4	7.09	3131,3144,4223	*09*,*09*,17
117	47.2	+20 52	7.5	7.24	3196,3562	03,*04*
104	47.2	+13 6	7.3	*7.40*		. A .
267	47.3	+48 54	8.5	8.21	3169,3195,3502, 3504,3550,3562	R,19,07, 02,*09*,*19*
127	47.3	+30 51	7.5	8.30	3167,3196	*10*,10
129	47.3	−21 39	7.3	7.52	2802,2810	*12*,11
334	47.3	−23 9	7.1	7.24	2802,2810	04,*03*
134	47.4	+60 8	7.5	*7.81*		A . .
198	47.4	+39 43	6.5	*7.02*		A . .
159	47.4	+38 1	6.7	6.48	3167,3196,3867	02,12,*13*
272	47.6	+49 7	7.8	7.17	3185,3186,3192, 3198,3559	*17*, R,03, 13,02
147	47.7	+29 48	7.5	*7.71*		A . .
376	47.7	−24 33	5.7	*5.60*		. 05,*04*
106	47.9	+65 54	7.0	7.06	3149,3155	08,*09*
234	47.9	+47 59	7.5	7.65	3168,3169	05,*05*
114	47.9	− 1 41	5.2	*4.86*		*04*, . 03
148	48.0	+36 53	6.5	6.13	3167,3196,3867	*13*,17,*03*
116	48.0	+19 14	7.5	7.32	3129,3143	05,*05*
179	48.1	+52 9	6.3	6.22	3131,3144,3871	*02*,*02*,03
195	48.1	+42 50	7.3	7.25	3168,3185,3195, 3502,3528,3895, 3895,3911,3911, 3913,3913,3914, 3914,4256,4256	*05*,*15*,25, *02*,*22*,09, 09,18,05, *01*,*05*,*05*, *05*,*06*,07
143	48.1	−18 11	7.1	7.57	3139,3143	*02*,02
325	48.1	−30 54	6.8	7.15	2793,2802,3504	*03*,10,*08*
144	48.2	+56 28	7.4	7.30	3131,3144	20,*20*
144	48.2	+28 58	7.5	6.72	3196,3563,3867	*02*,09,*06*
120	48.2	+ 3 33	7.3	7.02	3129,3143	00,*01*
338	48.3	−25 19	6.6	6.44	2802,2810,3855, 3866	19,*08*,*14*, 05
23	48.5	+82 9	8.9	8.48	4053,4063,4064	14,09,*22*
195	48.6	+55 47	7.2	7.20	3144,3160	*10*,10
196	48.6	+42 45	7.5	8.38	3168,3186,3192, 3195,3488,3490, 3495,3859,3865, 3867,3871,3879, 3879,3886,3895, 3895,3895,3895, 3911,3911,3911, 3911,3913,3913, 3913,3913,3914, 3914,3914,3914, 4223,4223,4227, 4227,4228,4228, 4232,4232,4233, 4233,4235,4235, 4236,4236,4239, 4239,4252,4252, 4253,4253,4256, 4256,4256,4256, 4265,4265,4270, 4270,4280,4280, 4286,4286,4292, 4292,4297,4297	02, R,*08*, 12,*19*,04, *11*,*25*,14, *30*,15,00, 32,04,04, 41,31,38, 21,18,17, 09,*17*,*16*, 04,08,02, 04,*14*,07, 14,*15*,00, 05,*10*,*19*, 05,01,*12*, *15*,03,*02*, *07*,*07*,*19*, *07*,*26*,*06*, *03*,12,*07*, 01,04,*32*, 16,*15*,07, *07*,*01*,*01*, *05*,04,*16*, 07,*06*,*06*
147	48.6	− 5 4	6.5	6.53	3857,3866,3870	04,06,*10*
160	48.7	+32 21	7.3	7.35	3167,3196	*05*,05
133	48.7	+24 57	7.0	*7.41*		A . .
162	48.7	−14 28	7.3	7.48	3139,3143	02,*03*
134	49.0	+58 26	5.0	4.91	3144,3160,4223	*11*,09,01
112	49.1	+64 1	7.7	7.54	3149,3167,3488	*10*,12,*02*
149	49.2	+56 44	7.5	7.90	3131,3160	10,*10*
288	49.2	+48 52	7.1	7.58	3192,3198,3488, 3495,3502,3559, 3855,3857,3859, 4223,4223	22,22,*06*, *02*,06,*02*, *09*,*11*,*27*, 04,07
122	49.3	+18 38	6.0	*5.70*		. . A
181	49.3	− 9 17	6.2	6.26	3137,3143,4227	*02*,*05*,06
337	49.3	−32 53	7.5	7.87	3152,3161,3504	*01*,*01*,01
242	49.4	+48 9	6.5	6.60	3168,3169,3871	10,10,*20*
198	49.5	+46 21	7.5	7.75	3168,3169	05,*05*
146	49.6	+23 5	6.0	5.54	3196,4228,4232	33,*22*,*10*
125	49.7	+23 33	7.5	7.38	3196,3562	09,*08*
195	49.8	+44 33	7.5	8.00	3168,3195	*20*,20
210	49.9	+39 51	7.2	*6.89*		A . .
126	49.9	+24 1	6.8	6.36	3196,3562,3867	31,*18*,*13*
148	50.0	+28 1	7.5	7.28	3196,3562	22,*23*
172	50.2	+57 26	7.0	6.43	3160,3198,3913	17,*03*,*15*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
202	50.2	+46 21	7.5	7.80	3168,3169	10,*10*
81	50.4	+68 15	6.7	6.38	3149,3155,3921, 3925	06,09,*14*, 00
355	50.5	−25 12	7.2	7.34	2802,2810	09,*08*
151	50.6	+56 45	7.3	7.50	3131,3160	10,*10*
151	50.6	+26 40	6.0	*5.90*		. . A
167	50.6	− 7 53	6.2	6.00	3143,4227,4228	*09*,18,*10*
117	50.7	+64 0	7.0	7.23	3155,3166,3167	04,04,*07*
144	50.7	+60 11	2.3	2.21	3116,3120,3130, 3131,3136,3139, 3155,3161,3162, 3166,3167,3168, 3186,3488,3502, 3502,3525,3528, 3542,3544,3559, 3567,3570,3842, 3855,3858,3866, 3870,3879,3886, 3911,3920,3924, 3925,3928,3931, 3937,4233,4235, 4236,4239,4252, 4265,4277,4278, 4292,4297,4299, 4300	16,07,06, 27,*03*,07, *34*,*43*,*54*, *24*,*35*,05, *03*,09,*07*, *04*,*22*,21, 19,*07*,*04*, *01*,09,25, 09,17,06, 10,*07*,*17*, 21,*26*,15, *16*,*45*,25, 15,*04*,30, *05*,*02*, T, 22, R,16, 04,10,11, 13
138	50.7	+58 38	5.0	4.71	3131,4223,4228	*31*,01,30
148	50.7	+34 41	7.0	6.82	3167,4232,4233	*12*,03,09
146	50.8	+59 50	6.3	5.68	3525,4223,4228	*17*,16,00
127	50.9	+13 24	6.5	*6.83*		. A .
205	51.0	+42 27	6.5	6.61	3168,3195,3525, 3528,3559	*11*,39,*05*, *14*,09
114	51.0	− 4 16	7.3	7.30	2808,3866	04,*04*
162	51.0	−11 49	6.0	*5.52*		. . A
168	51.1	− 8 34	7.8	7.48	2808,3137	13,*14*
288	51.1	−28 19	6.3	*6.28*		. 05,*05*
175	51.2	+37 57	4.2	*3.96*		. . A
137	51.3	+60 53	7.0	6.62	3160,3198,3913	*07*, T,08
187	51.4	+54 25	7.2	7.15	3131,3160	05,*05*
210	51.5	+52 46	7.5	7.95	3131,3160	05,*05*
55	51.6	+69 58	6.8	6.84	3859,3913	06,*06*
193	51.6	+51 42	7.3	7.27	3129,3131,3155, 3160,3525	*07*,13, R, 03,*08*
132	51.7	− 3 16	7.0	6.97	2808,3137,3866	01,*08*,07
153	51.9	+22 52	4.5	*4.59*		. . A
145	51.9	− 0 5	8.1	8.04	2808,3137	04,*05*
303	51.9	−25 54	7.1	7.24	2802,2811	07,*08*
237	52.0	+45 18	6.1	*6.24*		08, . *07*
24	52.1	+80 1	6.5	*6.63*		A . .
260	52.1	+47 34	7.5	8.35	3168,3169	*05*,05
146	52.1	− 0 12	7.5	7.74	2808,3866	04,*03*
115	52.2	+65 49	6.0	*5.97*		. . A
199	52.2	+51 36	7.2	7.15	3131,3160	*05*,05
172	52.2	+41 57	7.5	8.25	3195,3198	*05*,05
129	52.2	+20 57	7.0	7.06	3562,3563	06,*05*
157	52.4	+28 27	6.0	*5.73*		. . A
264	52.5	+47 41	7.3	7.65	3168,3169	*05*,05
164	52.5	+36 58	7.3	7.31	3167,3567	*01*,01
149	52.5	+ 1 15	7.0	*7.29*		A . .
206	52.6	+45 3	7.5	*7.17*		A . .
148	52.6	+38 57	6.8	6.60	3167,3563,3567	*20*,05,14
140	52.7	+33 26	6.2	*6.04*		. . A
119	52.7	+13 9	6.0	*6.45*		. 01,*01*
147	52.7	−19 33	7.2	*7.08*		A . .
20	52.8	+84 4	7.0	*6.72*		A . .
131	52.8	− 2 19	6.5	6.59	2808,3137,3139	09,00,*09*
376	52.9	−31 2	7.5	8.36	2802,2810,2811, 3504	*11*,04,02, 05
301	53.0	+48 39	7.2	7.85	3169,3195	*15*,15
215	53.0	+46 31	6.5	6.75	3169,3198,3871	*05*,15,*11*
131	53.0	+20 52	6.5	6.32	3867,3914	*18*,19
141	53.0	−21 12	7.2	7.90	2802,3136	12,*11*
161	53.1	+26 15	7.5	7.47	3562,3563	*17*,17
135	53.1	+ 6 18	7.3	*6.88*		. A .
162	53.1	−16 14	7.3	6.97	3139,3143,4227	11,*05*,*06*
26	53.3	+80 28	8.5	8.30	4053,4063,4064, 4064	*02*,10,00, *10*
314	53.3	−26 25	7.0	7.96	2802,3136	*07*,07
150	53.6	+31 57	6.8	7.29	3185,3186,3192, 3488,3490,3495, 3859,3867,3871	*09*,11,31, *07*,09,*17*, *17*,*24*,25
163	53.6	+27 8	7.2	7.16	3562,3563	*09*,10
65	53.7	+70 28	6.5	6.48	3859,3913	*07*,07
176	53.7	− 6 25	6.8	6.70	3139,3143,3866	*12*,04,07
173	53.7	−11 55	6.5	*5.86*		. . A
309	53.8	+48 26	6.5	7.10	3169,3195	*10*,10
174	53.8	−20 10	7.0	7.18	3161,4227	*14*,15
297	53.8	−29 54	4.2	4.28	3130,3136,3169, 3865,3879,3911, 4239,4280,4286	14,*08*,*40*, 41,04,*11*, 12,02,*11*
224	53.9	+39 37	7.0	7.38	3167,3563	*08*,07
161	54.0	+59 59	7.2	*7.16*		A . .
153	54.0	+31 59	7.3	7.06	3167,3563	04,*03*
272	54.2	+47 29	6.6	7.00	3168,3169,3871	00,00,00
193	54.4	+44 10	6.2	5.68	3195,3488,3871, 3913,3922,4223, 4228,4232	52,*20*,07, *07*,*24*,*04*, *01*,*07*
227	54.5	+46 47	7.0	7.55	3169,3195	*15*,15
179	54.6	+57 50	7.0	7.15	3131,3160	*05*,05
27	54.7	+81 34	8.6	8.47	3477,3490	00,00
131	54.7	+ 5 56	7.0	*6.31*		. . A

0^h—1^h

DM.	R.A. 1900.	Dec. 1909.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
336	54.7	−35 11	7.5	7.56	2798,2802,3550	*04*,06,*01*,
160	54.8	+35 9	7.3	*7.67*		A . .
196	54.8	− 8 51	7.0	7.50	3137,3139	*06*,05
64	54.9	+68 49	7.0	6.67	3149,3155,3859	17,10,*26*
229	54.9	+46 47	7.0	7.60	3169,3195	*20*,20
19	55.0	+85 43	5.0	*4.55*		*04*, . 04
28	55.0	+82 1	9.0	8.84	4053,4063,4064	09,*08*,*01*
216	55.0	+42 35	7.5	7.85	3168,3195,3525,3528,3559,3871,3913,3922,4223,4228,4232	*25*,45,12,*03*,*09*,15,08,*03*,04,*11*,*34*
190	55.0	+37 15	7.0	7.00	3167,3563,3867	00,*02*,01
135	55.0	+17 41	7.5	7.37	3129,3143	00,00
185	55.0	+ 2 6	7.5	7.92	3129,3161	10,*11*
136	55.0	− 2 33	7.4	7.24	2808,3137	04,*05*
396	55.0	−31 53	7.4	7.56	3152,3161,3504	14,*14*,*01*
139	55.1	+20 42	6.9	*7.25*		A . .
137	55.2	+18 9	7.2	7.27	3129,3143	10,*10*
212	55.4	+51 31	7.5	7.60	3131,3160	*10*,10
181	55.4	+36 8	7.1	7.57	3167,3563	13,*13*
4	55.6	+88 29	7.5	*6.48*		A . .
215	55.6	+44 55	7.2	7.04	3871,3913	02,*01*
140	55.6	− 2 12	7.4	7.04	2808,3137	*06*,05
320	55.7	+49 1	6.2	6.90	3195,3198,3871	10,*10*,*01*
181	55.7	−20 37	7.2	7.22	2794,2802	*01*,00
326	55.7	−26 17	7.6	7.40	3152,3161	11,*11*
180	55.8	+57 17	6.8	6.74	3131,3160,3913	16,*04*,*13*
209	55.9	− 9 54	7.0	7.54	2808,3136,3857	*13*,30,*16*
367	55.9	−36 47	6.9	6.96	2794,2798,3550	*12*,*10*,22
171	56.0	− 5 11	7.5	7.30	2808,3857	14,*13*
229	56.1	+55 48	7.2	6.93	3131,3160,3913	*03*,07,*04*
237	56.1	+47 9	7.5	7.80	3198,3488	00,01
30	56.3	+81 26	8.3	7.85	3477,3490	*14*,14
163	56.3	+24 46	6.5	6.60	3867,3921	*20*,19
63	56.5	+69 48	7.5	*7.94*		A . .
202	56.5	+50 30	6.9	6.42	3913	A
159	56.5	− 7 19	7.3	7.26	3137,3857	10,*09*
180	56.6	−16 48	6.8	6.58	3139,3143,3857	07,*09*,02
387	56.6	−33 54	7.3	7.75	3152,3161,3504	06,*15*,09
260	56.7	−39 28	5.6	5.54	3116,3130,3137,3169,3495,3502,3504,3542,3544,3550,3852,3855,3865,3866,3879,4227,4239,4286	*01*, R ,00,*20*,18,*02*,*22*,*06*,11,02,*13*,01,09, R ,09,*04*,15,02
240	56.8	+52 19	7.3	7.30	3131,3169	00,00
344	56.9	−38 45	7.0	6.68	2794,2802,3550	*06*,09,*03*
216	57.0	+51 16	7.1	6.81	3131,3169,3913	*11*,*01*,12
241	57.1	+47 9	7.4	7.76	3198,3488	14,*14*
169	57.1	+27 13	6.5	6.67	3562,3563,3867	15,22,*37*
241	57.3	+52 37	7.5	7.75	3131,3152	*05*,05
243	57.3	+46 50	6.3	6.36	3198,3488,3871	04,*14*,10
209	57.3	+40 48	6.0	*5.83*		. . A
168	57.3	+31 16	5.5	5.40	3563,3867,4232	04,09,*14*
158	57.3	+ 8 17	7.4	6.83	3129,3143,3870	22,*09*,*12*
157	57.4	+60 32	6.5	5.84	3913,3922	12,*11*
156	57.4	+25 47	7.0	6.87	3562,3563,3867	05,17,*21*
162	57.5	+58 23	6.5	7.03	3131,3160,3913	*03*,*03*,05
159	57.5	+ 8 36	7.2	6.67	3129,3143,3870	08,*13*,05
51	57.6	+73 50	6.8	6.78	3149,3155,3859	*09*,06,03
410	57.7	−32 6	5.6	5.43	3130,3137,3169,3490,3495,3502,3534,3542,3550,3852,3857,3865,3866,3879,3934,3937,4227,4239,4280,4286	19,07,*17*,02,00,06,02,*07*,07,*24*,*04*,*16*,07,13,*04*,19,*05*,*02*,*05*,02
153	57.8	+ 7 21	4.2	4.38	3143,3161,4228	*14*,*04*,17
177	58.0	− 5 22	5.3	*5.68*		. 07,*06*
158	58.1	+61 4	6.0	5.94	3198,4223,4228	13,01,*14*
220	58.1	+51 58	6.0	6.22	3131,3164,3169,3192	08,*02*,*02*,*02*
328	58.2	+49 12	7.2	7.66	3198,3502	14,*13*
327	58.2	+48 20	7.0	7.12	3198,3502	08,*08*
245	58.2	+47 6	7.0	6.70	3198,3488,3871	10,*22*,13
183	58.3	+56 35	7.4	7.10	3160,3164	*10*,10
211	58.4	+53 40	7.0	6.78	3131,3164,3913	02,*08*,06
199	58.5	+38 9	7.3	7.34	3167,3563	06,*06*
171	58.5	+34 55	7.2	*7.22*		A . .
166	58.5	+ 4 42	7.4	7.72	3129,3145	00,01
325	58.5	−30 4	6.5	6.35	2794,2798,3504,3857,3886	10,15,*05*,*17*,*01*
17	58.6	+86 37	7.5	*6.40*		07, . *08*
141	58.6	+ 6 14	7.2	6.89	3129,3143,3870	06,*15*,08
174	58.7	+ 0 50	6.0	6.03	3145,4228,4232	00,*05*,05
412	58.7	−32 37	7.6	7.52	2794,2802,3490	*17*,16,02
212	58.9	+50 29	6.8	6.44	3913,3922,3922	06,*08*,01
174	58.9	+29 9	6.5	6.08	3562,3563,3867	13,03,*17*
249	59.0	+39 27	6.5	6.41	3867,3921	*09*,09
129	59.4	+65 26	6.9	*7.10*		A . .
143	59.5	+18 22	7.5	7.67	3129,3143	10,*10*
203	59.6	+ 1 47	7.3	7.32	3129,3161	10,*11*
172	59.7	+ 5 7	6.0	6.19	3870,4228,4232	*03*,00,02
163	59.8	+14 24	5.5	5.69	3129,3870,4228	*12*,09,02
426	59.8	−31 2	7.5	8.04	2794,2802,3855	*22*,11,10
411	59.8	−34 4	6.5	6.51	2794,3802,3534	*05*,*02*,06
145	59.9	+18 40	7.3	7.52	3129,3143	15,*15*
78	0.0	+70 24	6.7	*6.64*		A . .
206	0.0	+62 14	6.5	6.44	3149,3155,3495,3502	10, R ,*02*,*08*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
191	0.0	+57 14	7.0	7.10	3160,3164	00,00
203	0.0	−14 17	7.0	*7.51*		A . .
156	0.4	+20 56	5.0	5.38	3166,4232,4233	*31*,27,05
157	0.4	+20 56	6.0	5.65	3166,4232,4233	*08*,06,01
196	0.4	−13 26	7.5	7.62	3139,3143	18,*17*
372	0.5	−38 6	7.6	7.69	2794,2802,3490	01,*05*,04
181	0.6	+34 59	7.5	*7.52*		A . .
29	0.7	+79 29	6.4	6.29	3859,3921	*17*,17
181	0.7	+59 20	7.2	6.78	3160,3164,3913	12,*08*,*05*
180	0.7	+31 39	7.2	*6.64*		. A .
175	0.7	+ 4 22	6.7	6.41	3143,4228,4232	*10*,35,*26*
229	0.7	−10 31	6.5	6.24	3857,3866	*10*,09
196	0.9	+56 24	6.6	6.58	3160,3164,3913	02,*08*,05
309	1.0	+48 7	7.5	8.10	3198,3502	20,*20*
218	1.0	− 9 11	7.5	8.08	2808 3137	*07*,06
230	1.1	−10 23	6.0	5.49	3139,3144,3857, 3866	03,*04*,*11*, 12
243	1.2	+55 51	7.5	7.40	3160,3164	00,00
262	1.2	+52 58	6.3	6.49	3131,3164,3913	*19*,01,18
207	1.2	−11 31	7.3	6.90	3143 3144,3857	08,*05*,*03*
183	1.3	+34 38	7.5	7.28	3167,3563	*08*,08
135	1.3	+12 25	6.2	*6.30*		. . A
484	1.3	−24 32	6.3	6.29	2792,2798,2802	*13*,*01*,14
337	1.4	+49 2	6.7	6.73	3198,3502,3871	07,*15*,09
165	1.4	+13 22	7.3	7.32	3129,3145	*05*,06
173	1.4	+ 8 21	7.5	7.70	3129,3145	05,*05*
167	1.4	+ 7 50	7.2	6.90	3129,3145,3922	*05*,*05*,09
232	1.5	−10 18	8.2	7.42	3144,3145	*05*,04
223	1.6	+54 26	5.7	5.34	3164,3192,3922, 4228	*04*,*04*,18, *12*
239	1.6	+43 0	7.5	7.25	3195,3198	15,*15*
210	1.6	+38 8	7.2	7.30	3167,3563	20,*20*
169	1.6	+ 8 7	8.2	7.70	3129,3145	05,*05*
374	1.6	−35 20	8.0	7.81	2794,2802,3534	07,*09*,03
R	1.6	−47 15	. .	3.43	3519,3519,3866, 3866,3866,3866, 3921,3921	31,*04*,*19*, *28*,06,*24*, *14*,55
222	1.8	+40 44	6.8	*7.27*		A . .
213	1.8	+37 31	6.9	7.02	3167,3563,3858	*12*,06,07
180	1.8	+19 37	6.5	*7.25*		A . .
128	1.8	+11 1	7.6	*7.10*		. A .
177	1.8	−16 2	7.0	7.30	3144,3145	00,*01*
417	1.8	−36 12	6.5	6.50	2802,2815,3534	*05*,14,*08*
403	1.9	−23 23	7.7	7.83	3152,3161	05,*05*
266	2.1	+46 19	7.5	7.49	3198,3502	11,*11*
224	2.1	+41 0	6.5	*7.22*		A . .
160	2.1	− 2 16	6.8	7.04	2808,3137	*06*,05
234	2.2	+43 24	5.2	4.97	3198,3871,4223	13,*01*,*13*
496	2.3	−24 32	6.4	6.26	2792,2798,2802	*10*,02,07
438	2.3	−25 23	7.3	7.58	3152,3161	15,*16*
348	2.3	−30 9	8.5	8.95	3161,3162,3519, 3871,3921,3921, 3921,3921,3922, 3922,4227,4227, 4227,4227,4227, 4256,4256,4256, 4256	*24*,11,*14*, 04,*22*,*04*, *20*,03,08, 32, R ,*04*, 16,*03*,10, *14*,09,05, 06
200	2.4	+57 44	6.5	*5.73*		. . A
229	2.4	+53 42	6.8	6.95	3164,3192,3525	*05*,*05*,09
240	2.4	+42 19	7.0	7.65	3168,3195	*25*,25
185	2.4	+31 29	6.9	6.24	3858,4232,4233	03,*11*,09
185	2.6	+20 12	5.7	*5.59*		*04*, . 04
238	2.7	−10 19	6.5	5.77	3139,4227,4228	*15*,*21*,35
319	2.8	+47 53	7.3	7.93	3502,3528	*05*,05
187	2.8	+28 21	7.3	6.78	3166,3562,3858	02,00,*01*
150	2.8	+21 26	7.5	7.50	3166,3562	*03*,04
212	2.9	+ 1 28	7.0	*6.69*		. A .
132	3.1	+ 9 23	6.5	*6.90*		A . .
247	3.2	+44 41	7.5	7.70	3168,3195	*20*,20
190	3.2	+ 5 7	6.0	5.56	3145,4228,4232	*13*,20,*06*
R	3.2	−42 1	. .	5.02	3137,3139,3162, 3490,3495,3502, 3852,3879,3924, 3934,3937,4286, 4297	*13*,*07*,*10*, *03*,13,13, 11,04,10, *06*,29,*17*, *19*
34	3.4	+81 15	8.7	8.56	4053,4063,4077	06,*06*,01
181	3.4	+29 54	7.2	*7.46*		A . .
212	3.4	− 6 42	7.5	7.85	2808,3137	09,*09*
207	3.5	+56 50	6.7	6.69	3160,3164,3913 3922	01,*09*, R , 09
34	3.6	+79 9	5.6	5.60	3859,4223,4228	07,13,*21*
240	3.6	−10 43	3.5	*3.64*		01, . *02*
275	3.7	+46 42	4.4	4.16	3198,3502,3924	04,*08*,05
194	3.7	+34 16	7.4	7.26	3167,3563	*06*,06
178	3.7	+33 25	7.0	7.25	3167,3563	*05*,05
177	3.7	+ 9 12	7.5	7.25	3129,3145	10,*10*
77	3.9	+68 15	6.0	5.36	3116,3120,3129, 3131,3136,3137, 3139,3155,3161, 3162,3166,3176, 3192,3490,3495, 3502,3525,3528, 3542,3544,3550, 3562,3563,3567, 3574,3852,3857, 3865,3866,3867, 3870,3871,3873, 3879,3895,3914, 3921,3922,3924, 3931,3943,4227,	21,32,01, *08*,02,*29*, 02,21,02, *09*,01,12, *19*,03,*24*, 01,*19*,04, *02*,*01*,12, *21*,19,12, 13,*14*,20, *23*,07,26, *07*,*05*,*26*, *01*,*02*,09, 00,11,*06*, *18*,19,*16*,

1^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4233,4235,4236,4239,4253,4278,4280,4286,4292,4297,4300,4307,4308	01,*08*,03,*15*,22,*32*,20,*20*,*27*,*20*,10,25,22
236	3.9	+54 13	7.0	7.10	3164,3192	*10*,10
98	4.0	+67 15	6.8	6.65	3149,3155,3495,3502	*01*,32,*28*,*03*
239	4.0	+51 31	7.5	7.81	3164,3525	*21*,21
348	4.0	+48 32	6.9	7.05	3502,3528,3913,3922	*13*,*02*, R, 15
182	4.0	+22 23	7.5	7.48	3166,3562	09,*08*
223	4.1	+37 36	7.5	7.60	3167,3563	10,*10*
198	4.1	+35 5	2.2	*2.44*		28, . *27*
366	4.1	−30 9	7.7	7.97	3152,3152,3161,3504,3921,3921,4227,4256,4256	20,20,*06*,*15*,*01*,11,04,*09*,*24*
227	4.2	+51 13	7.3	7.66	3164,3525	*06*,05
150	4.3	+23 16	6.8	6.65	3166,3562,3858	*08*,06,02
181	4.4	+33 20	7.0	7.02	3167,3563	*02*,01
231	4.5	+40 23	7.5	*7.87*		A . .
153	4.5	+19 7	5.8	*5.62*		. . A
241	4.6	+51 35	7.0	7.42	3164,3525	*02*,01
228	4.6	+50 28	7.1	6.88	3922,3924	06,*05*
219	4.6	+41 33	6.2	*5.80*		. . A
213	4.6	−12 13	7.5	7.32	3143,3144	06,*07*
186	4.9	+24 56	6.0	*6.05*		08, . *08*
149	5.0	+63 40	6.0	5 56	3155,4223,4228	01,15,*15*
236	5.0	+54 37	4.8	4.53	3164,4223	*03*,03
355	5.0	+48 37	7.3	7.39	3502,3528	04,*04*
175	5.0	+15 9	6.4	*6.36*		*02*,05,*04*
210	5.0	−14 47	7.2	*8.21*		A . .
127	5.1	+64 29	5.9	*5.46*		. *01*,02
227	5.1	− 9 26	6.3	6.55	2808,4227,4228	06,*14*,09
211	5.1	−14 58	7.3	*8.45*		A . .
57	5.3	+71 52	8.9	9.15	3550,3859,3867,3871,3873,4223,4223,4227,4227,4228,4228,4235,4235,4239,3239,4252,4252	11,*50*,*14*,*13*,10,*07*,31,*09*,*12*,05,07,05,10,07,05,16,*01*
377	5.3	−26 44	7.4	7.39	2792,3152	00,00
291	5.4	+45 39	6.9	6.84	3922,3924	04,*04*
221	5.4	+ 1 55	6.0	*6.14*		. . A
292	5.5	+46 6	7.0	7.20	3528,3559	01,*02*
235	5.5	+40 42	7.0	*7.87*		A . .
201	5.5	+37 12	6.0	5.74	3563,4232,4233	*25*,09,16
220	5.5	− 6 37	6.8	7.45	2808,3137	09,*09*
204	5.5	−16 51	7.2	7.58	3143,3144	01,00
434	5.5	−37 5	7.5	8.04	3152,3161,3490,3534	22,*17*,*06*,*01*
181	5.6	+30 53	5.5	*5.03*		. . A
183	5.7	+ 9 1	7.2	7.15	3129,3145	00,00
202	5.7	− 5 23	7.3	7.16	2808,3144	08,*07*
59	6.0	+73 23	7.5	7.72	3149,3155	07,*08*
172	6.1	+20 30	4.7	*4.86*		. . A
195	6.1	−19 20	7.0	*7.49*		A . .
129	6.2	+64 28	7.4	7.46	3149,3155	*12*,11
190	6.2	+29 34	4.2	*4.67*		. . A
138	6.2	+ 9 46	7.0	*6.65*		. A .
161	6.3	+22 11	7.5	7.32	3166,3562	*05*,04
225	6.3	−14 2	6.8	*7.67*		A . .
217	6.5	−13 23	7.2	7.41	3143,3144,3144,3490,3495,3504,3886,3922,3925	*16*,*49*,11,00,*02*,07,12,17,16
244	6.6	+40 23	7.3	*7.57*		A . .
161	6.7	− 2 47	6.2	6.08	3137,3857,4227,4228,4232	01, R,*11*,08,02
186	6.8	+61 10	6.6	6.13	3495,4223,4228	*01*,09,*08*
261	6.8	+44 46	6.5	6.64	3922,3924	*20*,19
238	6.9	+51 4	7.0	7.30	3164,3525	10,*11*
192	7.0	+22 43	7.5	7.52	3166,3562	05,*05*
158	7.1	+11 45	6.8	*7.06*		. A .
248	7.3	+41 8	7.0	7.36	3563,3567	*08*,07
365	7.4	+48 44	7.5	7.74	3495,3502	12,*11*
197	7.4	+31 32	7.3	6.57	3167,3563,3858	*07*,*02*,08
223	7.4	+ 1 57	6.8	*6.82*		. A .
195	7.5	+29 33	6.5	6.34	3858,3866	04,*05*
36	7.6	+79 23	6.5	6.35	3859,3921	01,*01*
249	7.6	+40 43	7.3	*8.07*		A . .
188	7.7	+60 21	7.2	*7.26*		A . .
187	7.7	+33 35	7.0	6.59	3167,3567,3858	*29*,23,06
188	7.7	−20 59	7.3	7.56	2792,3152	*07*,06
484	7.7	−31 20	6.6	6.33	2811,3152,3504	*08*,*01*,10
250	7.8	+40 38	7.3	*8.02*		A . .
196	7.8	− 7 19	6.5	*6.93*		. A .
369	7.9	+48 15	7.5	8.08	3495,3502	15,*14*
198	8.0	+58 17	7.5	7.20	3160,3164	00,00
342	8.0	+47 41	7.4	8.16	3495,3559	06,*06*
204	8.1	+29 12	7.3	6.85	3166,3562,3858	05,01,*06*
192	8.1	+25 55	7.5	7.92	3166,3562	08,*08*
194	8.2	+25 42	7.5	*7.91*		A . .
420	8.2	−35 44	6.9	6.90	3131,3137,3139,3162,3490,3502,3504,3519,3857,4227	R,03,00,09,02,*24*,*05*,02,00,15
420	8.2	−38 23	6.1	5.78	3131,3137,3139,3162,3502,3852,3865,3879,3924,3934,3937,4227,	01,05,04,00,03,*08*, R,17,*06*,*06*,08,07,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4239,4286,4297, 4300	27,03,*04*, *46*
158	8.3	+24 3	4.6	*4.69*		. . A
164	8.3	− 3 5	7.5	7.24	2808,3144	04,*03*
460	8.3	−36 17	7.3	7.50	2794,3152,3161, 3519	*01*,13,*24*, 13
193	8.4	+60 24	7.5	*7.46*		A . .
188	8.4	+33 58	7.0	7.03	3167,3858	07,*07*
174	8.5	+ 7 3	5.2	*5.35*		. . A
374	8.6	+48 54	7.0	7.18	3495,3502	12,*12*
196	8.6	+28 1	7.5	6.63	3166,3562,3858	*03*,*11*,14,
177	8.8	+15 36	6.5	5.86	3922,3925,4228	00,*02*,03
210	8.8	− 5 23	7.3	7.12	2808,3144,3495	12,*13*,01
200	8.9	+30 1	7.5	*7.36*		A . .
90	9.0	+71 13	6.0	6.37	3149,3859,4223	*03*,*19*,21
220	9.0	+38 54	7.5	7.70	3167,3563	*10*,10
235	9.0	−14 0	7.0	6.84	3143,3145,3886	01,*02*,02
61	9.1	+73 28	7.0	7.06	3149,3155	03,*02*
216	9.4	− 8 28	5.2	*5.20*		. . A
243	9.5	+51 12	7.1	7.55	3164,3525	05,*05*
181	9.5	+ 6 28	6.2	6.18	3162,3922,4228	*14*,17,*03*
215	9.5	− 5 35	7.5	7.46	2808,3144	18,*17*
35	9.6	+80 20	7.3	*7.20*		A . .
233	9.6	+61 22	7.5	7.36	3149,3155	*02*,01
62	9.7	+71 55	9.4	9.64	3550,3871,4227, 4227,4235,4235, 4239,4239,4252, 4252	32,29,21, *11*,*14*,*12*, *19*,*39*,09, 06
162	9.7	− 1 31	5.8	*5.85*		. . A
206	9.9	−16 21	7.0	7.30	3143,3145	02,*01*
335	10.1	+49 21	7.4	7.62	3495,3559	*06*,05
212	10.1	+19 53	6.8	7.06	3922,3925	25,*24*
200	10.1	−18 43	7.5	8.09	3161,3192,3195, 3196,3488,3490, 3495,3855,3857, 3871,3886,4227, 4227,4228,4228, 4232,4232,4233, 4233	*02*,03,11, *01*,*15*,19, *13*,04,01, R ,*04*,04, *06*,11,*04*, *09*,*03*,11, *04*
36	10.2	+80 22	6.7	*6.73*		A . .
37	10.3	+81 11	9.1	8.91	4053,4063,4064, 4077	35,17,*42*, *11*
461	10.3	−23 25	7.5	8.26	2792,3152,3857, 3886,3922	*34*,32,*20*, 11,09
R	10.4	−22 50	R	7.90	2792,3152	*08*,08
357	10.5	+47 33	6.5	6.50	3495,3559,3879	04,*03*,*02*
213	10.5	+19 59	7.1	*7.50*		A . .
210	10.5	+ 0 23	6.8	6.58	3922,3925	*01*,00
221	10.5	−22 16	7.8	8.18	2792,3152	*02*,02
205	10.6	+25 14	7.0	*7.46*		15,*14* .
	m.	° ′				
142	10.6	+ 9 15	7.0	7.10	3129,3145	05,*05*
R	10.6	−46 4	. .	4.82	3490,3490,3519, 3519,3886,3886, 3921,3921	20,03,21, 33,*16*,01, *17*,*45*
258	10.7	+43 55	7.5	8.30	3168,3195	*10*,10
223	10.7	+32 36	6.5	6.31	3167,3567,3858	*21*,21,*01*
271	10.8	+42 25	7.0	6.69	3168,3198,3879	*09*,11,*01*
204	11.0	+23 2	7.0	6.51	3166,3562 3858	*04*,*09*,12
39	11.1	+76 15	7.0	*7.57*		A . .
548	11.1	−24 30	7.4	7.12	2792,3152	*13*,14
68	11.3	+72 21	6.7	7.22	3149,3155	*13*,12
271	11.3	+44 23	6.4	6.55	3195,3879,3922	35,*14*,*21*
64	11.4	+71 52	6.8	*7.08*		. 08,*07*
186	11.4	+20 33	7.0	*7.15*		A . .
233	11.4	−12 38	7.5	7.46	3143,3145	02,*02*
108	11.5	+67 17	6.8	6.70	3149,3155,3859	*06*,07,*02*
281	11.5	+56 6	7.2	6.78	3160,3525,3879	12,07,*19*
229	11.5	+38 56	6.8	6.55	3167,3563,3858	05,*21*,16
172	11.5	− 3 2	5.7	*5.45*		. . A
258	11.7	+54 54	7.5	*7.41*		A . .
392	11.8	+48 29	6.9	6.82	3168,3495,3879	*02*,*13*,15
262	11.9	+44 5	6.9	7.25	3168,3195	*15*,15
196	11.9	+31 14	6.8	*6.86*		A . .
174	11.9	− 2 48	7.0	*6.83*		. A .
40	12.0	+77 2	6.4	6.38	3149,3155,3859	11,16,*26*
237	12.0	+57 16	7.0	6.75	3160,3525,3879	15,*14*,*01*
317	12.0	+47 9	7.2	7.68	3168,3495	02,*02*
229	12.1	−17 37	7.5	8.03	3143,3145	*04*,04
319	12.2	+46 53	6.7	6.41	3168,3495,3879	*01*,*05*,05
67	12.3	+72 13	8.6	8.34	3855,3855,3859, 3859,3865,3865, 3867,3867,3871, 3871,3873,3873, 3879,3879,3886, 3886,3895,3895	*02*,00,05, *10*,*28*,24, *32*,*13*,*04*, 30,*09*,*21*, 08,11,07, 14,32,*09*
192	12.3	+13 43	7.0	7.36	3162,3164	*09*,08
526	12.4	−31 27	8.2	8.44	3176,3178,3192, 3195,3519,3550, 3855,3857,3857, 3886,4227,4227, 4256,4256,4286, 4286	R ,04,34, *46*,*06*,*02*, *15*,04,08, 21,*10*,*21*, *17*,15,29, 04
69	12.6	+72 2	9.5	9.56	4256,4256	*08*,09
185	12.6	+ 3 5	5.5	*5.35*		. *05*,05
224	12.7	− 8 11	7.5	*6.93*		. A .
488	12.7	−37 48	7.5	7.85	2815,3152,3504	01,14,*15*
275	12.8	+42 47	7.5	7.50	3168,3198	00,00
36	13.1	+78 29	7.5	7.36	3149,3155	03,*02*
220	13.1	+36 52	6.5	6.34	3167,3563,3858	*14*,01,14
279	13.2	+45 10	7.5	*7.47*		05, . *05*

1^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
301	13.2	+39 25	7.2	7.48	3167,3563	*08*,07
494	13.5	−34 40	7.5	7.62	3152,3161,3504	14,*08*,*06*
234	13.6	−20 43	7.5	7.82	2790,2792	*08*,07
477	13.6	−23 32	7.2	7.26	3152,3161	10,*11*
479	13.6	−38 40	7.0	7.67	2824,3152,3504	02,14,*17*
59	13.8	+75 43	6.2	6.35	3155,4223,4228	19,32,*52*
66	13.8	+74 3	6.8	7.22	3149,3155	07,*08*
260	13.8	+57 42	6.1	5.14	3160,3164,3495, 3525	06,*24*,06, 10
411	13.8	−29 15	7.5	7.92	3152,3161	07,*08*
58	13.9	+76 12	7.1	*7.32*		A . .
205	13.9	+34 13	7.3	7.72	3167,3567	*22*,23
220	14.0	+26 44	4.7	4.63	3562,4232	*13*,13
283	14.1	+51 36	7.0	7.30	3525,3528	14,*15*
184	14.1	+17 36	7.3	7.82	3161,3162	05,*05*
176	14.4	+64 8	6.6	*6.32*		. A .
209	14.4	+60 25	7.3	*7.66*		A . .
268	14.4	+54 26	7.0	7.24	3525,3559	*17*,16
285	14.4	+51 18	6.8	7.54	3525,3528	*06*,07
252	14.4	+41 27	7.0	6.93	3168,3495,3879	18,*11*,*06*
281	14.5	+42 59	6.5	7.26	3168,3198,3559, 3567,3570	*26*,24,03, 16,*17*
260	14.6	+51 4	6.5	*7.17*		A . .
171	14.7	− 1 2	5.8	5.92	3922,4228,4232	06,*06*,00
281	14.9	+54 6	7.3	7.19	3525,3528,3879	11,*04*,*07*
286	14.9	+51 27	7.2	7.50	3525,3528	*05*,05
49	15.0	+78 12	6.0	6.20	3155,4228,4228	*16*,09,07
286	15.0	−10 24	7.2	6.64	3143,3145,3886	*06*,10,*05*
223	15.0	−16 20	6.3	6.75	3143,3145,3886	*13*,04,10
284	15.3	+42 42	7.5	7.40	3168,3198	20,*20*
215	15.3	−21 0	7.3	7.62	2790,2792	02,*03*
204	15.4	+15 11	7.2	*7.53*		A . .
387	15.5	+47 33	7.1	8.04	3495,3559	*15*,15
185	15.5	− 3 46	6.5	6.48	2808,2823,3886, 3922	05,*16*,11, *01*
248	15.5	−11 46	6.8	6.30	3143,3145,3886	*12*,04,09
215	15.6	+28 13	5.0	*5.40*		. . A
249	15.6	−20 28	7.3	7.52	2790,2792	*18*,17
510	15.6	−36 46	7.0	7.17	2815,2824,3519	09,05,*14*
258	15.7	−14 25	7.0	*7.01*		A . .
422	15.7	−29 31	7.4	7.36	2790,2792	*10*,09
178	15.8	+21 50	7.0	7.24	3166,3562	13,*13*
198	15.8	− 1 50	7.3	7.28	2808,2823	10,*11*
358	15.9	+49 36	6.5	6.62	3879,3901	01,*01*
531	16.0	−25 38	7.5	7.54	2790,3152	*09*,10
168	16.1	+11 1	6.5	6.84	3161,4228,4232, 4233	10,*14*,*02*, 06
180	16.3	+22 1	7.5	8.15	3166,3562	02,*02*
256	16.3	− 6 41	6.5	6.95	2823,3145,3886	*01*,03,*02*
287	16.4	+45 0	5.2	5.15	3195,3495,3567, 3879	25,*14*,10, *21*
288	16.4	+43 4	6.5	6.62	3168,3198,3879	18,*12*,*06*
69	16.6	+72 19	6.7	*7.16*		. *06*,06
172	16.7	+12 4	7.0	7.04	3161,3162	*10*,10
274	17.0	+57 37	7.0	6.45	3160,3525,3879	*05*,05,*01*
182	17.0	+21 34	7.3	7.15	3166,3562	12,*12*
498	17.1	−33 45	6.9	7.12	2815,2824,3504	00,17,*16*
290	17.4	+44 48	7.5	*7.27*		A . .
158	17.5	+ 9 50	7.0	*7.47*		A . .
190	17.5	+ 4 13	7.5	6.96	3129,3161,3922	*14*,15,00
223	17.5	+ 1 12	6.5	6.48	3922,3925	*15*,16
179	17.5	− 0 58	7.2	6.48	2823,3886	*01*,00
260	17.6	+35 59	6.7	6.68	3858,3866	*13*,13
229	17.6	−19 36	6.9	6.36	3886,3922	04,*04*
516	17.6	−37 34	6.6	6.66	2815,2818,3519	02,*12*,09
171	17.7	+10 50	7.0	6.92	3161,3162,3922	02,02,*05*
211	17.7	+ 6 53	7.7	7.23	3162,4228,4232	*19*,07,13
398	17.9	+47 51	7.0	7.74	3495,3559	*02*,01
237	17.9	+37 12	6.0	5.46	3563,4232,4233	14,*23*,10
220	17.9	+33 43	6.3	6.34	3167,3858,3866, 3921	*14*,10,03, 01
472	17.9	−35 11	7.5	7.50	3152,3161,3519	12,*12*,01
226	18.0	+19 57	6.2	*6.32*		*02*, . 01
267	18.1	+50 39	7.0	*7.62*		A . .
172	18.1	+10 20	7.3	*7.82*		A . .
247	18.1	−17 0	7.5	7.98	3145,3161	*11*,12
248	18.1	−17 5	7.0	7.74	3145,3161	03,*04*
521	18.1	−37 7	6.6	6.71	2815,2818,3519	02,08,*11*
400	18.3	+47 46	7.5	8.04	3495 3559	*08*,07
102	18.4	+70 27	6.1	*6.52*		02, . *02*,
293	18.5	+42 37	6.5	6.57	3168,3198,3879	*07*,03,08
200	18.5	+17 17	7.2	*6.81*		. A .
222	18.5	−18 28	7.0	7.16	3145,3161	09,*09*
484	18.5	−38 13	7.3	7.49	2815,2824,3519	*19*,17,03
241	18.6	+36 22	7.3	7.08	3167,3563	02,*02*
560	18.7	−31 47	7.6	7.92	3550,3570,3574	00,*07*,06
534	18.7	−34 4	6.7	7.02	2815,2824,3504, 3570,3574	07,*06*,*02*, *07*,10
264	18.8	− 6 20	7.4	7.46	2823,3145	*12*,12
555	18.8	−24 52	6.5	6.54	2790,2818,3855	*15*,13,02
123	18.9	+67 36	5.2	4.98	3859,4223,4228	*03*,06,*03*
562	18.9	−31 28	6.1	5.96	3131,3137,3139, 3164,3168,3178, 3490,3504,3534, 3550,3559,3570, 3574,3857,3865, 3866,3870,3886, 3921,3924,3934, 3937,4227,4235, 4236,4286,4297,	*11*,*14*,02, 12,26,32, 04,11,*09*, 13 01,01, 14,04,*29*, 00,*16*,*27*, 05,*11*,04, *12*,*08*,*08*, *03*,15,02,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					4300	*09*	266	20.7	−15 7	5.3	*5.15*		18, . *18*
244	19.0	− 8 42	3.2	*3.86*		. *04*,04,	*305*	20.8	+43 11	6.9	6.93	3168,3198,3901	07,*03*,*04*
243	19.1	− 8 31	6.7	*6.46*		. A .	207	20.8	− 4 27	6.8	6.68	2808,2823,3886,	36,16,*01*,
248	19.3	+59 43	3.0	2.78	3119,3129,3131,	02,02,22,						3886,3931,4227,	*28*,05,*14*,
					3137,3139,3164,	*28*,42,*18*,						4228,4232,4233	*16*, R,00
					3176,3178,3180,	02,32,*18*,	187	20.9	+18 39	5.3	5.30	3932,4228,4232	*24*,31,*07*
					3192,3195,3490,	*08*,02,21,	272	20.9	− 9 1	7.0	*6.89*		. A .
					3502,3519,3534,	01,*19*,*21*,	75	21.0	+73 41	7.5	7.32	3149,3155	*03*,02
					3547,3550,3562,	*01*,04,21,	238	21.0	+19 33	6.7	6.52	3931,3932	19,*18*
					3563,3567,3574,	*16*,29,07,	258	21.2	+36 58	7.5	7.98	3563,3567	*05*,06
					3577,3852,3857,	06,*03*,*03*,	252	21.2	+36 47	8.3	7.82	3167,3563	28,*28*
					3860,3865,3866,	*23*,*19*,19,	239	21.2	+26 43	6.8	6.87	3166,3562,3858	13,00,*14*
					3871,3873,3905,	00,*17*,*12*,	189	21.3	+18 44	5.5	*5.71*		. . A
					3914,3921,3922,	*14*,*04*,27,	520	21.3	−23 19	7.1	7.12	2790,2818,3855,	*05*,00,00,
					3932,3934,3937,	00,02,*12*,						3886	04
					3943,3944,4227,	04,10,35,	234	21.4	+33 50	6.6	6.30	3167,3567,3858,	*10*,50,05,
					4232,4235,4239,	*06*,*11*,*15*,						3866,3867,4232,	09,*27*,12,
					4253,4265,4278,	30,*07*,12,						4233,4235	09,*33*
					4280,4286,4292,	19,*21*,*06*,	*189*	21.4	− 0 55	7.2	6.49	2823,3145,3886	*22*,22,*01*
					4297,4300,4306,	*20*,*20*,*14*,	212	21.6	+24 56	7.0	*7.66*		A . .
					4307,4308	*43*,36	307	21.7	+44 53	5.0	5.16	3495,3567,4223	*03*,14,*10*
223	19.4	− 7 26	6.0	5.92	3161,4227,4228,	*27*,10,14,	289	21.7	+40 35	6.0	*6.40*		. . A
					4232	01	*211*	21.7	+ 3 1	7.0	6.46	3129,3161,3931	*04*,05,00
548	19.6	−32 20	6.9	6.83	2800,2811,3490,	49,*03*,08,	289	21.8	+29 16	7.5	7.18	3166,3562	12,*13*
					3534,3550,3570,	*18*,*03*,01,	262	21.9	−18 34	6.0	*5.51*		. . A
					3574,3855,3886,	01,*28*,01,	472	21.9	−30 48	7.3	7.46	2800,2811,3504	*06*,02,05
					3925,4227,4232,	07,02,*20*,	523	21.9	−33 4	9.3	8.72	3931,3931	*07*,08
					4233	00	834	22.0	+39 48	6.5	6.36	3858,3867	09,*10*
352	19.7	+46 36	7.3	7.74	3559,3570	*04*,04	*363*	22.1	+47 14	7.3	7.41	3495,3559	04,*04*
282	19.7	+40 50	7.5	8.06	3563,3567	*23*,24	254	22.1	+31 28	6.9	6.86	3167,3567,3858	*06*,30,*25*
237	19.7	−16 11	6.0	*6.23*		. . A	302	22.3	+43 32	6.5	6.56	3168,3198,3901	*06*,*06*,13
195	19.8	− 3 22	5.8	*6.38*		. 01,00	235	22.3	−21 0	6.8	7.11	2790,2818	*07*,07
270	20.0	− 6 28	7.0	6.78	2823,3145,3886	06,00,*05*	*309*	22.4	− 9 49	7.2	*7.31*		A . .
546	20.0	−34 40	6.6	6.85	2800,2811,3490	15,*18*,02	478	22.5	−30 45	7.0	6.90	2800,2811,3176,	20,*02*,00,
226	20.1	+23 0	6.5	6.07	3166,3562,3858	00,*10*,10						3504	*18*
433	20.1	−28 21	7.5	8.00	2790,2818	*16*,16	8	22.6	+88 46	2.0	*2.10*		*09*, . 10
R	20.2	−42 1	. .	5.26	3139,3168,3559,	*11*,22,03,	*237*	22.6	−20 52	7.0	6.86	2790,2818,3886	08,*08*,*01*
					3857,3866,3871,	*29*,*14*, R,	R	22.6	−22 51	R	6.56	2818,3152,3886	*04*,02,03
					3921,3924,3934,	18,*06*,01,	258	22.7	+59 31	7.3	7.24	3160,3525	*04*,05
					3937,4236,4297,	27,02,23,	283	22.7	+41 44	7.0	6.64	3168,3198,3901	06,*04*,*03*
					4300	*34*	259	22.7	+36 34	7.3	7.26	3167,3563	*06*,05
341	20.3	+52 36	7.4	7.69	3525,3528	*07*,07	*243*	22.7	+30 2	7.5	6.78	3858,3867	22,*21*
302	20.4	+42 57	6.0	6.18	3168,3198,3924	02,22,*24*	272	22.8	−11 25	6.2	*6.25*		. . A
273	20.4	+41 47	7.3	7.14	3168,3495	*04*,05	168	22.9	+64 39	6.5	6.98	3859,3921	*06*,05
228	20.4	+34 4	6.5	6.21	3167,4232,4233	*01*,*12*,13	*286*	22.9	+51 10	6.8	*7.22*		A . .
207	20.5	+ 2 27	7.5	7.00	3129,3161,3931	*08*,01,06	154	23.0	+16 34	7.2	6.75	3161,3162,3931	*08*,02,06
410	20.6	+47 28	7.5	8.34	3559,3567,3901,	*25*,36,*01*,	221	23.0	− 2 33	7.4	6.87	2808,2822,2823	11,*02*,*10*
					3924,3928	09,*03*	213	23.1	+ 7 27	7.0	*6.44*		. 06,*07*
164	20.7	+65 33	7.5	*7.40*		A . .	*234*	23.2	−17 46	6.8	7.14	3145,3162	13,*12*
167	20.7	+ 9 53	6.8	*7.22*		A . .	251	23.2	−22 33	7.0	6.75	2818,3152,3886	17,*07*,*10*

1^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
464	23.2	−29 24	7.4	8.16	3152,3161	13,*12*	278	25.7	+38 15	6.6	7.15	3166,3167	*05*,05
260	23.3	+59 44	7.2	*7.26*		A . .	249	25.7	+28 54	7.3	7.27	3166,3562	*07*,07
265	23.3	−12 46	7.3	6.86	3145,3162,3886	06,02,*07*	502	25.7	−26 43	6.2	*6.04*		. 05,*05*
238	23.3	−20 57	7.5	7.36	3790,3818	*12*,12	323	25.8	+53 30	7.4	7.83	3525,3924,3928,	03,09,05,
495	23.3	−27 38	7.2	7.52	2818,3152	*03*,04						3937,4223,4235,	*21*,15,20,
173	23.5	+65 44	7.5	7.96	3149,3155	*02*,01						4236	*28*
288	23.5	+41 46	7.5	7.23	3168,3198,3495	07,07,*15*	*264*	25.9	+63 4	7.2	7.30	3149,3155	*06*,07
282	23.5	+36 7	7.4	7.27	3167,3563	13,*13*	271	26.0	− 5 28	7.2	7.07	2822,2823,3166	*06*,07,*01*
102	23.8	+69 45	6.1	5.93	3859,4223,4228	*19*,13,07	231	26.1	+14 50	4.0	*3.77*		. . A
261	23.8	+59 16	7.2	7.25	3160.3525	05,*05*	265	26.4	+34 18	6.6	6.14	3858,3867	*07*,07
228	23.8	+ 6 47	7.2	*6.68*		. A .	269	26.5	+59 56	7.5	*7.66*		A . .
575	23.8	−32 1	7.3	7.89	3152,3161,3504	11,*07*,*05*	303	26.5	+37 45	7.0	7.25	3166,3167	*05*,05
175	23.9	+65 35	6.0	6.39	3149,4223,4228	*25*,20,04	197	26.5	+10 24	7.5	*7.57*		A . .
222	23.9	+24 46	6.5	6.70	3858,3867	13,*14*	*271*	26.6	+60 10	7.4	*7.26*		A . .
R	24.0	−43 50	. .	3.52	3139,3168,3559,	*27*,59,*04*,	167	26.6	+16 28	7.0	6.81	3161,3162,3932	*24*,06,18
					3866,3871,3921,	*15*, R ,*31*,	*276*	26.6	−12 46	7.8	7.15	3145,3162	07,*07*
					3924,3934,3937,	39,*09*,31,	614	26.6	−31 49	7.9	8.44	3550,3570,3574	*13*,*11*,24
					4235,4236,4300	*10*,*24*,*11*	262	26.7	−19 32	7.0	*7.08*		A . .
370	24.1	+46 30	5.8	5.37	3198,3502,3559,	*07*,01,13,	*289*	26.8	+62 1	6.8	7.20	3149,3155	*16*,17
					3901,4223,4235,	*03*,02,00,	*290*	26.8	−10 46	7.3	7.32	3145,3162	02,*02*
					4236	*06*	263	26.8	−19 33	8.0	7.42	3145,3166	03,*03*
240	24.1	−18 27	6.3	6.67	3145,3162,3931	08,*18*,11	*439*	26.8	−38 56	7.5	7.84	3152,3161,3519	21,*24*,02
597	24.1	−25 19	6.9	7.10	2818,3152	07,*07*	504	26.9	−30 30	6.8	6.62	2790,2792,3176,	*09*,20,*10*,
576	24.1	−34 17	6.7	6.44	2811,2815,3504	*05*,15,*10*						3534,3559,3559,	*02*,04,03,
236	24.2	+22 18	6.5	6.75	3166,3562,3858	12,*13*,01						3886	*09*
564	24.3	−37 21	7.5	7.52	2802,2811,3519	11,*11*,*01*	320	27.0	+57 49	6.5	6.05	3160,3525,3924	*15*,02,12
238	24.4	+23 10	7.5	7.58	3166,3562	09,*08*	354	27.0	+55 18	7.5	*7.31*		A . .
210	24.5	+17 51	6.3	*5.94*		. . A	250	27.0	− 7 14	7.6	*7.73*		. A .
316	24.5	−10 0	7.2	*7.36*		A . .	315	27.1	+54 26	7.0	7.17	3169,3525	03,*03*
259	24.6	+62 51	7.0	7.46	3149,3155	*12*,11	292	27.1	+35 20	6.5	6.70	3167,3563,4232	00,10,*11*
270	24.7	−13 44	7.3	7.25	3145,3162	*03*,03	*227*	27.1	+ 3 10	7.8	8.14	4307,4307	*02*,01
254	24.8	−22 8	5.0	5.13	3490,4227,4282	11,*13*,01	506	27.1	−30 48	6.0	5.87	3131,3160,3164,	*09*,35,*34*
253	24.9	+61 2	7.3	7.56	3160,3525	*11*,11						3168,3176,3176,	*01*,*07*,*17*,
453	24.9	+48 50	6.9	7.11	3495,3502	*03*,03						3504,3534,3559,	03,*15*,*04*,
194	24.9	+ 5 38	5.0	5.01	3162,4228,4232,	03,*03*,*02*,						3871,3886,3921,	R ,*03*,01,
					4233	02						3924,3931,3932,	08,03,22,
280	24.9	− 6 7	7.0	6.74	2822,2823,3166	*03*,00,02						4235,4236,4297,	*10*,*11*,14,
491	25.0	−26 8	6.6	6.55	3152,3161,3886	06,04,*10*						4300	17
582	25.0	−32 32	8.6	8.78	3550,3570	*28*,29	475	27.2	−28 13	7.5	7.32	3152,3161,3192,	12,*22*,28,
253	25.1	−16 15	7.5	7.87	3145,3162	02,*02*						3195,3196,3490,	16,*10*,12,
103	25.2	+69 30	7.0	6.93	3149,3155,3859	11,*06*,*06*						3495,3504,3871,	*03*,*03*,*10*,
133	25.2	+67 53	7.4	6.97	3149,3155,3859	*13*,10,03						3886,3901,3901,	*06*,00,*13*,
258	25.2	+25 23	7.0	*7.61*		A . .						4270,4270	*14*.19
275	25.3	+38 59	7.3	7.30	3166,3167	20,*20*	113	27.4	+68 26	6.8	6.66	3149,3155,3859	08,*09*,02
221	25.3	+ 2 26	8.8	8.62	3129,3161	10,*11*	260	27.4	+58 44	6.0	4.93	3528,3879,4223	*10*,*13*,24,
262	25.5	+63 5	8.2	7.71	3155,3160,3192,	16,*06*,06,	651	27.4	−24 9	7.2	7.22	3161,3162	*07*,06
					3195,3196,3488,	06,*03*,*25*,	229	27.6	+ 2 32	8.3	8.10	4270,4270	03,*03*
					3490,3495,3859,	01,*01*,*03*,	315	27.7	+40 22	7.0	*7.52*		A . .
					3865,3867	21,*10*	266	27.8	−19 29	7.7	*8.04*		A . .
477	25.6	−29 23	7.5	8.01	2815,3152	*18*,18	204	27.9	+23 27	7.3	7.53	3166,3562	*06*,06

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
298	28.0	− 9 31	7.0	6.48	3931,3932	*19*,19
246	28.1	+23 5	7.4	7.54	3166,3562	03,*04*
229	28.1	+ 7 42	6.8	*6.59*		. A .
270	28.2	+35 6	7.2	*7.27*		A . .
269	28.2	−19 40	7.5	*7.83*		A . .
470	28.3	+49 3	7.3	7.72	3495,3502	*07*,08
589	28.4	−37 22	5.8	5.57	3160,3164,3198,3519,3859,3871,3886,3921,3931,3932,4227,4232,4233,4235,4236,4297,4300	47,*26*,*20*,09,*30*,R,*09*,*11*,*10*,28,*12*,06,*01*,02,*14*,05,32
277	28.5	+36 44	6.2	*5.67*		. . A
231	28.5	+24 42	8.8	8.86	3166,3562	04,*04*
658	28.5	−24 41	7.0	6.98	3161,3162,3886	04,*03*,*02*
274	28.6	+62 34	6.5	6.79	3149,3155,3859	*05*,18,*14*
256	28.7	− 7 32	6.1	*5.80*		. . A
273	28.9	+60 58	8.5	8.56	3152,3160	*08*,09
272	28.9	+34 37	7.0	7.30	3567,3858,4232,4233	11,*08*,*07*,02
360	29.0	+55 32	7.2	*7.06*		A . .
382	29.1	+52 50	6.6	6.80	3169,3525,3879	00,*12*,11
81	29.2	+73 47	6.5	6.42	3149,3155,3859	*03*,12,*10*
134	29.2	+67 6	7.3	7.02	3149,3155,3859	*18*,15,03
272	29.2	+32 37	7.2	6.57	3166,3567,3570,3858	03,*03*,*05*,04
224	29.4	+17 57	6.3	6.05	3162,3164,3932	12,*01*,*12*
508	29.5	−29 18	7.1	7.06	3161,3162	*02*,02
50	29.6	+80 55	7.4	*7.10*		A . .
201	29.6	+12 3	6.8	*7.02*		. A .
266	29.7	+58 57	7.5	7.32	3160,3169,3525	R,*22*,21
234	29.7	+ 7 46	7.3	*7.19*		. A .
256	29.7	+ 0 27	7.8	7.07	3932,3934,4228,4232,4233,4235	70,*07*,*31*,*11*,*22*,02
250	29.7	− 2 32	7.5	7.60	2822,2823,3166	*05*,*03*,09
265	29.7	−16 11	5.8	5.59	3145	A
237	29.8	− 4 2	6.3	6.70	3931,3932	*07*,06
490	29.8	−28 45	7.0	6.96	3161,3162,3886	*19*,05,14
277	29.9	+62 53	7.2	7.56	3149,3155	08,*09*
265	29.9	+26 10	7.4	7.71	3166,3562	09,*09*
393	30.0	+46 36	7.0	7.03	3495,3502,4223	01,*08*,06
328	30.0	+40 34	6.8	6.31	3858,3867	03,*03*
248	30.0	+27 46	7.3	7.00	3166,3562,3858	10,*14*,05
224	30.0	− 2 51	7.5	7.44	3145,3161	*03*,04
339	30.1	+54 11	7.0	7.15	3169,3525	*05*,05
358	30.1	+39 22	7.5	7.94	3166,3563	*14*,13
259	30.1	+33 20	6.5	6.67	3858,4232,4233	*03*,00,02
666	30.1	−24 12	6.7	6.53	3162,3181,3886	05,*03*,*03*
268	30.2	+59 7	7.2	7.13	3160,3169,3185,3192,3195,3490,3495,3502,3525,3859,3865,3867,3879,4223,4223,4232,4232,4235,4235,4236,4236,4239,4239,4253,4253,4259,4259,4265,4265,4277,4277,4286,4286,4292,4292,4297,4297,4306,4306	17,R,*23*,27,07,05,08,*22*,*01*,*07*,25,*12*,16,18,04,08,*06*,01,*12*,05,*08*,*20*,*17*,*26*,*03*,00,15,09,32,*19*,*08*,*19*,09,*13*,07,09,18,*22*,*04*
R	30.2	−28 10	. .	9.44	4227,4227	*26*,25
613	30.2	−32 24	6.4	6.18	2802,2811,3504	*10*,12,*01*,
552	30.2	−35 51	7.7	8.02	2802,2811,3519	05,04,*09*
460	30.3	+48 12	6.4	6.17	3502,3559,3879,3924	*23*,00,03,20
397	30.3	+46 48	7.1	7.44	3495,3502	*02*,02
339	30.4	+51 14	7.5	7.90	3525,3528	03,*04*
240	30.4	+14 9	6.6	*6.20*		. 04,*03*
669	30.4	−23 57	8.5	8.18	3161,3181	07,*08*
529	30.4	−30 25	7.4	7.19	2790,2802,3504,3519	04,28,*14*,*17*
86	30.5	+72 32	5.2	*5.55*		. . A
462	30.5	+47 35	7.0	8.14	3502,3559	*10*,11
176	30.5	+16 55	6.5	*5.84*		. . A
299	30.5	−13 53	7.3	7.29	3145,3161	*07*,07
463	30.7	+47 49	7.0	7.26	3502,3559	*06*,06
202	30.8	+64 14	6.8	6.62	3859,3924	*19*,19
343	30.8	+58 8	7.5	7.06	3169,3525	*06*,07
244	30.8	+ 7 8	6.9	*6.94*		. A .
482	30.9	+48 34	7.2	7.50	3502,3559	01,*01*
332	30.9	+40 54	4.0	4.16	3567,3867,4232,4233,4235	R,*17*,*02*,09,09
331	31.0	+54 38	7.3	7.62	3169,3525	*12*,12
266	31.0	−18 2	6.8	7.10	3145 3162	07,*08*
270	31.1	−15 54	5.8	*5.49*		. . A
270	31.3	+58 48	7.3	7.85	3169,3525	05,*05*
304	31.4	+61 51	6.5	6.61	3149,3155,3859	03,06,*08*
218	31.4	+ 6 12	7.5	7.14	3129,3162	01,00
240	31.5	+ 7 20	6.9	*6.68*		. A .
58	31.6	+77 28	6.5	6.62	3149,3155,3859	17,02,*20*
349	31.6	+57 28	6.0	5.70	3176,3525,4223	10,11,*22*
466	31.6	+47 55	8.0	6.76	3559,3574,3859,3867,3873,3879,4223,4223,4232,4232,4233,4233	14,11,*10*,*04*,*10*,09,*09*,08,01,*09*,*08*,03
540	31.6	−30 25	6.5	5.73	3160,3164,3181,3504,3519,3859,3886,3931,3932,4227	14,*34*,31,01,03,*25*,*02*,01,24,*12*

1^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
205	31.8	+11 38	6.0	5.60	3162,3164,3934	*24*,19,06
467	31.9	+48 7	3.6	3.88	3502,3559,3879	*16*,07,09
239	32.0	+24 40	7.3	7.10	3562,3567,3570	05,*05*,*01*
219	32.2	− 0 52	6.5	7.03	2823,3162	*06*,06
623	32.2	−32 48	7.0	7.20	2802,2815,3504	*04*,07,*03*
296	32.4	+60 34	7.2	*7.11*		A . .
207	32.4	+11 35	7.5	6.88	3162,3164,3934	14,*11*,*03*
341	32.5	+44 54	7.0	6.26	3873,3879	03,*02*
401	32.6	+45 50	7.4	7.59	3528,3559	00,00
222	32.6	+21 23	7.0	7.80	3562,3567,3570	*04*,01,03
343	32.6	− 9 55	6.3	*6.54*		22, . *21*,
337	32.7	+43 38	7.5	7.78	3168,3528,3559	*18*,15,03,
249	32.8	− 3 57	6.7	6.86	3931,3934	07,*07*
354	32.9	+54 6	7.5	7.35	3169,3176	*05*,05
335	32.9	+38 8	7.4	7.67	3563,3567,3570	11,*06*,*05*
264	33.1	+20 54	6.5	6.71	3858,3867	*07*,07
556	33.1	−38 38	7.4	7.29	2802,2815,3504	*02*,14,*13*
341	33.2	+40 41	7.3	*7.12*		A . .
375	33.3	+55 17	7.5	*7.61*		A . .
343	33.4	+43 52	5.0	5.07	3168,3528,3559	*17*,*09*,26
314	33.4	+36 2	7.0	7.07	3563,3567,3570	12,*05*,*07*,
404	33.5	+45 23	7.0	6.54	3873,3879	*15*,16
224	33.5	+21 26	7.4	7.69	3562,3567,3570	03,04,*07*
261	33.6	+27 15	7.2	7.26	3562,3567,3570, 3858,3867,3928, 4232,4233,4235, 4235	*02*, R ,15, *27*,26,09, *08*,*05*,*03*, *09*
279	33.6	−16 23	7.3	7.52	3145,3162	07,*07*
273	33.8	+58 33	7.2	6.88	3169,3525,3879	02,*04*,01
363	33.8	+53 22	7.0	6.64	3169,3525,3879	*04*,02,03
244	33.8	+16 8	6.8	*6.87*		A . .
307	33.8	− 6 14	7.3	7.36	2804,2822,3192, 3195,3196,3490, 3495,3504,3886, 3901,3901,3921, 3921	08,*15*,12, 26,00,*16*, *15*,01,*06*, *02*,*05*,20, *06*
255	33.9	+13 48	7.5	*6.93*		. A .
344	34.0	+41 10	7.0	6.91	3563,3567,3570, 3858,3867,3928, 4233,4235,4236	*06*, R ,*13*, *01*,*03*,02, 02,*04*,23
620	34.0	−37 2	6.2	6.00	3160,3180,3181, 3198,3858,3871, 3886,3921,3931, 3932,4227,4235, 4236	39,*07*,*45*, 19,17, R , *12*,*02*,11, 08,*10*,*06*, *12*
145	34.1	+66 25	7.4	7.60	3149,3155	*06*,07
350	34.1	+54 26	7.5	7.50	3169,3176	10,*10*
272	34.1	−21 47	6.0	*5.72*		. 09,*08*
639	34.1	−32 40	7.5	7.40	2802,2815,3504	*12*,00,12
193	34.2	+65 58	7.0	8.16	3149,3155,3186, 3192,3195,3490, 3495,3502,3859, 3859,3865,3867	*02*,01,02, 21,21,03, *07*,*03*,*05*, *18*,17,*27*
376	34.2	+40 10	6.7	6.70	3858,3867	20,*21*
316	34.2	+38 27	7.5	7.70	3563,3567,3570	*10*,09,01
670	34.2	−25 32	6.6	6.42	3161,3162,3886	*03*,*10*,13
245	34.3	+15 54	6.5	*6.12*		07, . *08*
317	34.4	+39 5	6.9	7.29	3563,3570	05,*05*
404	34.5	+53 4	7.5	7.58	3169,3525	02,*02*
279	34.5	−18 18	7.3	7.54	3145,3162	13,*12*
345	34.7	+42 47	6.0	5.62	3168,3502,4223,	*02*,*02*,04
378	34.7	+40 4	5.4	4.80	3858,3867,4233	*11*,*01*,11
542	34.7	−29 32	6.9	*7.41*		. A .
650	34.8	−34 4	6.6	6.65	2802,2815,3504	*06*,14,*07*
149	34.9	+67 32	6.1	*5.57*		. . A
149	34.9	+66 17	6.8	7.06	3149,3155	08,*09*
258	35.0	− 0 44	7.2	7.14	2804,3166	*16*,15
114	35.2	+70 7	5.2	*5.32*		07,*06*,*02*
344	35.2	+37 46	7.5	8.06	3563,3858	*02*,03
620	35.2	−23 25	7.1	7.47	3161,3162,3166	*09*,04,04
92	35.3	+74 6	6.8	6.79	3149,3155,3924	00,05,*04*
308	35.3	+60 32	6.5	6.60	3879,3924	*11*,11
258	35.3	+ 8 16	6.7	*6.69*		. A .
573	35.3	−37 58	7.7	6.99	2802,2815,3181, 3185,3192,3195, 3196,3490,3495, 3504,3519,3886, 3901,3921,3921,	17,*06*,*27*, 02,19,*31*, *09*,*14*,12, 20,15,14, *17*,00,*01*,
370	35.6	+58 8	6.8	6.21	3131,3169,3879	*01*,*11*,13
328	35.7	+42 7	5.3	*4.97*		. . A
276	35.7	+25 14	6.0	6.20	3166,3562,4233	10,*24*,14
257	35.7	+22 32	7.0	7.56	3562,3858	*04*,05
239	35.7	− 3 7	7.0	6.97	2804,2822,2823	01,*12*,10
301	35.7	−16 47	7.5	7.94	3145,3162	*07*,08
586	35.8	−34 59	7.5	7.65	3161,3162,3166, 3181,3504	06,*07*,13, *14*,01
72	35.9	+75 22	7.0	*7.12*		A . .
306	35.9	+60 3	7.0	*7.36*		A . .
286	36.0	+29 32	6.0	*5.90*		. . A
312	36.1	+60 55	6.3	6.40	3879,3924	*09*,08
352	36.1	+43 8	7.5	7.03	3168,3528,3873	*03*,*02*,05
641	36.1	−36 59	7.7	7.80	2802,2815,3519	16,*07*,*09*
293	36.2	+ 4 59	5.0	4.62	3129,4228,4232, 4233	*10*,13,*06* 04
373	36.3	+57 37	7.5	7.10	3131,3169	10,*10*
297	36.3	+34 44	6.0	*5.53*		. . A
282	36.4	+29 1	7.5	7.38	3562,3570	*12*,12
307	36.6	+60 3	6.0	5.86	3525,3879,4223	14,*28*,15
282	36.7	+59 8	6.5	6.75	3131,3169,3879	15,*15*,01
384	36.7	+39 53	7.0	6.75	3858,3867	00,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
661	36.7	−33 54	7.8	7.22	2802,2815,3504	*01*,00,02
315	36.8	−11 49	5.8	*5.74*		. . ▲
688	36.9	−25 24	6.0	R		. . .
485	37.0	+48 1	7.8	7.00	3168,3528,3559,3873	R,*06*,00,07
279	37.1	+19 47	5.3	5.34	3148,4228,4232,4233	*07*,10,*05*,03
584	37.1	−38 38	6.4	5.89	3161,3162,3519	*06*,*06*,13
354	37.2	+44 48	6.8	6.45	3878,3879	06,*06*
316	37.3	+61 21	7.5	7.46	3149,3155	*12*,11
391	37.3	+55 23	7.1	*7.06*		▲ . .
420	37.3	+52 23	7.0	6.82	3131,3169,3924	*22*,08,15
336	37.3	+51 1	7.0	6.80	3131,3169,3924	*10*,20,*09*
206	37.3	+ 9 45	8.2	*7.45*		. ▲ .
292	37.3	−19 41	7.5	*7.83*		▲ . .
444	37.4	+50 11	4.1	4.20	3131,3169,4223	*20*,00,21
287	37.4	−18 24	7.2	7.40	3145,3162	07,*08*
125	37.5	+69 0	7.3	7.28	3149,3155,3528,3547,3924,3937	*24*,29,*06*,*08*,19,*09*
324	37.5	− 9 10	7.0	7.05	2822,2823,3931,3934,3934,3937,3937,4223,4223,4227,4227,4228,4228,4232,4232	02,25,09,17,09,*11*,*23*,13,*04*,*04*,*10*,00,*03*,*15*,01
666	37.6	−32 49	5.6	5.31	3164,3176,3180,3181,3198,3858,3859,3871,4232,4233,4235	*31*,*01*,22,*03*,13,09,*22*,R,*07*,07,11
650	37.6	−37 20	5.9	5.51	3160,3180,3519,3858,3859,3871,4232,4233	33,*01*,00,17,*31*,R,*17*,*04*
330	37.7	+57 2	6.4	6.14	3131,3525,3924,	*04*,*01*,06,
518	37.7	+49 9	7.3	7.18	3528,3873	*02*,02
260	37.7	− 4 11	5.3	5.22	3931,4227,4228,4232	*08*,08,08,*06*
368	37.8	+54 23	7.5	7.20	3131,3169	00,00
318	37.9	−20 40	7.0	7.31	2818,3161	17,*17*
334	38.2	+56 36	6.5	6.18	3131,3525,3528	02,02,*05*
301	38.2	+31 43	6.5	6.42	3858,3867,4233	*11*,08,03
432	38.3	+45 39	6.8	6.54	3873,3924	05,*04*
305	38.5	+37 10	6.5	6.92	3563,3858,4233	*05*,06,*02*
303	38.7	+32 1	7.2	6.78	3858,3867,3928	*12*,09,02
55	38.8	+80 24	7.5	*7.23*		▲ . .
306	38.8	+36 27	6.8	7.32	3563,3858	02,*01*
302	38.8	− 7 59	7.5	7.65	2822,3145,3162,	02,01,*02*
309	38.9	− 5 16	6.5	6.27	3931,3934	01,*01*
316	39.2	+59 14	7.4	7.78	3131,3528	12,*13*
277	39.2	+27 58	7.5	7.31	3562,3858	*08*,08
288	39.2	+25 18	7.8	*8.01*		▲ . .
282	39.4	+19 35	6.7	*6.23*		*29*,25,05
259	39.4	+ 2 43	6.8	7.02	3129,3164,3934	*20*,11,09
295	39.4	−16 28	3	*3.71*		. 06,*06*
322	39.5	−11 48	7.3	7.52	3145,3162	12,*12*
304	39.6	+35 13	7.3	*7.47*		▲ . .
57	39.7	+80 53	7.5	*7.50*		▲ . .
287	39.7	− 7 16	7.0	6.52	2822,3145,3162	09,06,*16*
297	40.1	+58 40	7.0	7.46	3131,3528	04,*03*
273	40.1	+ 8 39	4.5	4.46	3162,4228,4232,4233	28,01,*21*,*07*
614	40.1	−34 54	6.8	6.94	2815,2824,3504	00,07,*08*
370	40.3	+43 13	7.5	7.40	3168,3559	10,*11*
250	40.3	− 3 40	7.3	7.72	2822,3145,3162	*07*,19,*13*
307	40.3	−15 3	7.3	*7.50*		▲ . .
564	40.3	−29 13	7.2	7.03	2818,3161,3886	*10*,*06*,16
238	40.4	+63 22	6.1	5.64	3577,4223,4235	*03*,01,03
362	40.4	+40 30	7.5	*8.17*		▲ . .
275	40.4	+ 8 4	7.3	*6.58*		. ▲ .
266	40.5	+ 3 10	6.8	6.85	3129,3162,3934	*03*,*03*,05
392	40.7	+57 32	7.0	6.95	3131,3528,3924	*05*,*11*,15
268	40.7	+ 2 56	7.3	6.93	3129,3162,3934	*01*,*01*,02
349	40.9	+38 15	7.1	7.53	3178,3562	07,*07*
336	40.9	− 6 14	5.8	*5.52*		. . ▲
704	41.0	−25 33	5.4	*5.42*		. 10,*11*
592	41.0	−26 53	7.3	7.64	2818,3161	*13*,12
295	41.2	+25 25	7.3	*7.96*		▲ . .
196	41.2	+16 55	6.5	*6.44*		. . ▲
386	41.3	+53 31	7.2	7.20	3131,3169	10,*10*
373	41.4	+42 36	7.5	7.62	3168,3559	*12*,13
595	41.4	−27 50	6.4	6.42	2818,2827,3886	07,*11*,04
297	41.5	+25 40	7.0	*7.76*		▲ . .
447	41.6	+45 44	6.9	6.38	3873,3924	10,*09*
341	41.6	−11 5	7.3	7.52	3145,3162	02,*02*
241	41.8	+10 21	6.8	6.98	3934,3937	*02*,02
335	42.1	−14 23	6.8	6.56	3931,3934	04,*04*
306	42.5	−17 58	6.9	7.34	3145,3162	03,*02*
84	42.7	+75 6	6.8	6.92	3924,3937	09,*08*
372	42.7	+37 27	6.0	6.07	3858,4235,4236	*05*,*06*,11
203	42.8	+16 27	6.0	5.78	3937,4228,4232,4235	09,12,*05*,*15*
204	42.9	+16 32	8.2	7.32	3167,3168	*05*,05
300	42.9	−21 20	6.4	6.76	2818,2827,3886	*01*,*10*,12
316	43.0	+32 12	6.2	5.72	3178,3562,3563	*02*,*03*,05
508	43.3	+47 24	6.2	6.07	3873,4223,4235	*01*,22,*21*
270	43.3	+ 3 11	6.5	*6.11*		. . ▲
687	43.4	−37 39	6.5	6.33	2815,2824,3504	23,*12*,*11*
61	43.5	+81 28	6.8	*7.18*		▲ . .
268	43.5	+15 54	7.5	*7.64*		▲ . .
275	43.5	+ 7 12	7.3	*7.28*		. ▲ .
264	43.6	+24 14	7.3	8.00	3178,3534	07,*06*
305	43.8	+26 0	6.5	6.85	3867,3928	*17*,17

1^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
321	43.8	−15 15	7.3	*7.50*		A . .
243	44.0	+64 22	6.6	6.88	3924,3937	09,*09*
642	44.0	−26 45	7.3	7.17	2818,2827	04,*04*
187	44.3	+70 16	7.2	*7.74*		A . .
351	44.4	−11 11	7.0	6.76	3164,3166,3931	*06*,04,02
548	44.4	−39 9	7.5	7.16	2815,2824,3519	*01*,*16*,18
58	44.5	+80 25	6.8	*7.60*		A . .
416	44.6	+51 27	6.3	5.90	3131,3169,3924,	10,10,03,
					4235	*21*
382	44.6	+37 49	7.0	7.66	3534,3563	*04*,04
243	44.6	+21 47	6.0	5.96	3534,4235,4236	*21*,*07*,28
65	44.7	+77 42	6.5	6.87	3149,3155,3924	*08*,07,01
352	44.7	−11 11	4.7	4.74	3143,3145,3164,	*06*,*10*,*14*,
					3931,4227	20,09
753	44.8	−31 34	6.5	6.52	2824,3152,3504,	10,20,*29*,
393	44.9	+54 25	7.4	7.08	3169,3528	02,*02*
463	44.9	+46 58	7.3	7.14	3168,3574	*04*,05
349	44.9	+35 34	7.5	*7.97*		A . .
350	45.0	+35 22	7.3	*7.22*		A . .
387	45.2	+37 32	6.9	7.52	3534,3563	02,*03*
307	45.2	− 7 12	7.4	7.20	2821,2822,3931	*05*,21,*15*
365	45.3	+38 21	7.3	7.72	3534,3563	*07*,08
396	45.4	+54 39	5.7	5.43	3131,3169,3528	27,*23*,*05*
334	45.4	−13 22	7.0	7.04	3143,3145	*09*,08
602	45.4	−29 32	7.1	7.42	2818,2827	*21*,21
464	45.5	+46 36	7.5	7.46	3168,3574	04,*03*
252	45.5	+10 33	5.5	6.00	3934,4228,4228,	10,*04*,*11*,
					4232,4235	*12*,15
553	45.5	−38 54	6.4	6.24	2815,2824,3161,	16,*09*,*04*,
					3162	*04*
246	45.7	+24 10	7.0	6.89	3178,3534,3867	*02*,20,*18*,
296	45.7	+20 3	7.5	*6.77*		A . .
379	45.8	+50 18	6.1	5.72	3131,4223,4235	*02*,01,00
76	46.2	+75 44	6.8	*7.02*		A . .
276	46.3	+17 48	7.2	6.73	3162,3164,3934	*06*,*09*,15
381	46.4	+51 0	6.6	6.25	3180,4223	*15*,16
384	46.4	+44 19	7.5	7.48	3168,3502	02,*03*
285	46.4	− 4 42	7.3	7.22	2821,2822,3934	*17*,*01*,19
332	46.5	+36 57	6.8	6.78	3563,3570,3867	*06*,23,*16*
268	46.5	− 3 7	7.0	7.11	2821,2822,3934	17,*16*,*01*
359	46.5	−10 50	3.5	3.96	3143,4228,4232	02,02,*03*
252	46.6	+28 39	7.2	6.82	3178,3562,3867	25,*11*,*14*
310	46.6	− 7 22	6.8	6.57	2821,2822,3931	*02*,14,*12*
767	46.7	−31 23	7.0	6.99	2811,2815,3504	06,*04*,*03*
337	46.8	−13 43	7.2	7.06	3143,3162	*01*,02
168	46.9	+67 40	7.4	7.56	3149,3155	08,*09*
322	46.9	−16 8	6.9	6.59	3143,3162,3934	*17*,06,10
408	47.1	+55 7	6.6	6.52	3924,3937	*06*,05
320	47.2	+63 11	3.3	3.39	3129,3131,3139,	*12*,19,*01*,
					3160,3164,3176,	06,*13*,*11*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3178,3180,3181,	*12*,*12*,*11*,
					3182,3185,3195,	27,19,18,
					3196,3198,3211,	*11*,*02*,*13*,
					3214,3218,3495,	07,*02*,43,
					3502,3519,3525,	*11*,13,*09*,
					3528,3534,3542,	*06*,*07*,*06*,
					3544,3547,3559,	06,*07*,01,
					3562,3567,3574,	*30*,*10*,35,
					3577,3858,3859,	*22*,*09*,*01*,
					3865,3867,3871,	*20*,*28*,07,
					3879,3901,3905,	*08*,*05*,*27*,
					3924,3925,3928,	*02*,*23*,*04*,
					3931,3932,3934,	*04*,*18*,04,
					3943,3944,4223,	*20*,11,26,
					4232,4233,4236,	19,06,15,
					4252,4259,4265,	*11*,16,*03*,
					4270,4278,4283,	00,08,20,
					4292,4295,4297,	23,*08*,05,
					4299,4300,4306,	26,*16*,*03*,
					4307,4308,4314	*02*,18,11
553	47.2	+48 57	7.2	7.03	3168,3574	07,*07*
394	47.3	+40 14	6.0	*5.65*		12, . *12*
338	47.3	+36 49	7.2	7.04	3563,3570	*10*,11
400	47.4	+37 15	8.9	8.80	3495,3519	*02*,03
312	47.4	+29 6	3.9	*3.58*		. . A
486	47.5	+49 27	7.0	6.98	3574,3873,4223	05,*09*,05
313	47.5	+28 19	7.0	7.04	3178,3570	*14*,13
719	47.5	−37 32	7.5	7.13	2811,2815,3534	05,15,*20*
317	47.6	+25 31	7.0	*8.06*		A . .
243	48.0	+18 48	3.5	4.00	3164,4228,4232,	*16*,*03*,*06*,
					4235,4277	14,12
311	48.0	− 1 49	7.3	7.43	3164,3166	*06*,06
358	48.0	−20 0	7.5	*7.73*		A . .
336	48.1	−17 26	6.2	5.73	3143,3934,4227	*14*,24,*11*
169	48.2	+68 12	5.2	5.17	3155,4223,4235	10,*09*,*01*
248	48.2	+12 11	7.2	*7.10*		. A .
437	48.3	+56 5	7.0	6.99	3131,3180,3924	12,*09*,*03*
319	48.3	+25 17	7.5	*7.81*		A . .
419	48.4	+53 41	7.0	7.50	3131,3169	00,00
491	48.4	+49 48	7.0	*7.17*		A . .
290	48.4	+ 2 42	4.5	*4.88*		. 11,*10*
386	48.6	+56 36	7.4	7.64	3180,3528	06,*05*
431	48.6	+40 9	7.3	*7.27*		A . .
87	48.7	+74 50	6.5	6.74	3924,3937	10,*10*
235	48.7	+10 8	7.1	*7.00*		07,*08*, .
364	48.7	−10 55	7.5	7.79	3143,3162	*11*,11
331	48.8	+58 47	7.5	7.04	3180,3528,3924	*14*,*04*,18
433	48.8	+39 27	7.0	7.44	3563,3570	*02*,03
111	48.9	+71 13	7.4	7.14	3149,3160	10,*09*
434	48.9	+40 12	6.8	6.28	3867,3918	*16*,16

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
346	49.0	+36 37	6.4	6.39	3563,3570,3928,	07,*06*,*05*,	*265*	52.2	+64 8	5.5	*5.13*		. . A
					4235	04	576	52.2	+48 43	6.2	5.88	3502,4223,4235	*17*,05,11
724	49.0	−34 4	7.5	7.17	3161,3166,3167,	*10*,26,04,	346	52.2	− 8 19	7.5	7.65	2821,2822,3164	*03*,12,*09*
					3181,3504	*19*,01.	310	52.3	+30 39	7.0	*7.21*		A . .
306	49.1	+20 19	2.5	*2.70*		*25*,17,09	403	52.3	−10 44	6.7	6.51	3934,3937	*03*,03
292	49.1	+ 8 17	7.0	*7.05*		. A .	*288*	52.4	+23 7	5.0	4.85	3181,3534,3928,	*18*,*24*,27
573	49.1	−39 6	6.3	6.06	2811,2815,3519	01,01,*01*						4235	14
300	49.2	+27 20	7.5	7.50	3178,3562	10,*10*	704	52.4	−26 7	7.3	7.44	3166,3167	08,*08*
394	49.3	+51 11	7.3	7.25	3169,3180	05,*05*	*357*	52.5	−16 55	7.5	8.30	3143,3162	*01*,02
383	49.4	+60 47	7.3	7.34	3180,3528	*07*,08	336	52.5	−18 10	7.5	7.70	3145,3162	*23*,22
319	49.4	+28 18	7.5	7.27	3178,3562	03,*03*	800	52.6	−31 35	7.2	7.31	2824,3152,3504	*09*,21,*12*
397	49.6	+42 20	7.4	7.48	3168,3502	02,*03*	73	52.8	+77 26	6.3	6.35	3149,3160,3924	*06*,05,00
360	49.6	− 6 46	7.5	7.93	2821,2822,3164	02,08,*11*	*382*	52.8	+36 7	7.0	7.14	3178,3534	*04*,03
R	49.6	−46 48	. .	4.69	3519,3519	*07*,07	*91*	52.9	+75 0	6.5	6.66	3924,3937	21,*20*
399	49.9	+42 34	7.5	7.51	3168,3502	*01*,01	330	52.9	− 2 38	6.7	6.57	2821,2822,3166	*19*,18,02
354	50.0	+36 47	5.8	6.27	3563,3570,4235	*06*,06,*01*	745	53.1	−36 33	7.0	6.94	2815,2824,3504	05,*09*,03
468	50.1	+52 48	7.5	6.99	3169,3528,3924	01,*01*,00	330	53.2	+33 51	7.4	*7.65*		. . A
324	50.1	+29 52	7.5	6.74	3928,3937	17,*16*	360	53.2	+32 44	7.0	*7.10*		. . A
355	50.2	+36 46	5.8	5.91	3570,3928,4235	*03*,22,*18*	334	53.4	− 7 34	7.0	7.04	2821,2822,3166	*22*,13,09
R	50.2	−43 0	. .	4.86	3131,3180,3182,	*09*,02,*16*,	415	53.7	+40 52	7.0	7.48	3178,3534	12,*13*
					3504,3519,3563,	*13*,28,14,	153	53.8	+70 25	4.6	4.61	3129,3131,3139,	*04*,*03*,*13*,
					3858,3944,4232,	08,*09*,00,						3149,3160,3164,	03,*26*,15,
					4233	*07*						3176,3180,3181,	07,06,*03*,
112	50.3	+72 40	7.2	7.10	3149,3160	09,*10*						3182,3185,3186,	*05*,*13*,*13*,
284	50.3	+23 5	6.5	5.97	4235,4236	*13*,13						3188,3196,3198,	06,17,*14*,
251	50.3	+12 5	7.5	7.66	3162,3164	*02*,03						3211,3214,3218,	*05*,15,26,
374	50.5	+41 24	7.0	6.75	3168,3574,3873	*05*,*03*,07						3219,3495,3502,	*24*,16,03,
756	50.5	−25 23	6.9	7.12	3166,3167	03,*03*						3525,3528,3542,	12,*02*,*18*,
347	50.7	+ 1 21	6.2	*6.18*		01, . 00						3544,3547,3559,	*13*,*15*,*29*,
339	51.1	−21 3	7.3	7.94	3166,3167	12,*12*						3562,3574,3587,	03,*09*,*14*,
424	51.2	+54 53	9.2	9.31	3928,3931,3934	00,03,*03*						3858,3859,3865,	08,*02*,22,
83	51.3	+75 27	7.2	*7.42*		A . .						3867,3871,3879,	08,26,02,
646	51.3	−29 37	7.4	7.49	3166,3167	*11*,11						3901,3924,3925,	05,03,03,
398	51.4	+61 12	6.6	6.12	3528,4223,4235	01,*03*,03						3928,3931,3937,	03,14,00,
341	51.4	+59 8	7.0	6.58	3528,3574,3924	*14*,09,06						3943,3944,3946,	*10*,*17*,16,
400	51.5	+61 3	7.5	7.41	3528,3574	13,*13*						4223,4233,4235,	04,*13*,*10*,
427	51.5	+53 51	8.8	8.89	3928,3931,3932	06,*10*,05						4236,4252,4259,	02,10,12,
175	51.6	+66 33	7.2	7.35	3149,3160,3528,	*31*,20,00						4265,4270,4278,	*14*,*18*,04,
					3547,3562	15,*06*						4283,4292,4295,	05,*09*,*06*,
428	51.6	+54 7	8.9	9.10	3928,3931,3932	05,11,*16*						4297,4299,4300,	12,22,*20*,
737	51.6	−36 44	7.5	7.51	2815,3161,3504	15,*11*,*04*						4306,4307,4308,	07,17,*06*,
574	51.7	+49 9	7.3	7.03	3574,3873,4223	*05*,*09*,13						4314	26
485	51.7	+46 36	6.8	6.53	3574,3873,4223	08,*19*,11	376	53.8	+59 28	7.0	6.74	3169,3528,3924	06,00,*05*
407	51.9	+41 12	6.9	6.74	3918,3928	*01*,01	*367*	53.8	−11 47	6.3	6.63	2830,3143,3934	*22*,*05*,27
408	51.9	+40 16	6.9	6.80	3867,3918	02,*02*	406	54.0	+43 56	7.0	7.06	3168,3502	04,*03*
289	51.9	+17 20	5.5	*5.07*		. . A	682	54.0	−33 34	6.5	6.34	2815,2824,3504	11,*02*,*08*
411	52.0	+40 54	7.3	7.44	3182,3534	06,*06*	407	54.1	+43 36	7.3	7.62	3168,3502	*12*,12
310	52.0	+27 18	6.5	*6.02*		. . A	322	54.1	+20 34	6.5	*6.06*		09, . *09*
721	52.0	−23 1	5.0	5.04	3167,4227,4232	*09*,06,02	261	54.1	+11 49	6.2	*6.04*		. . A
750	52.1	−32 38	6.6	6.51	2824,3152,3504	16,*03*,*13*	352	54.2	−21 37	7.4	7.16	3166,3167	08,*08*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
155	54.3	+70 49	7.5	7.74	3149,3160	00,01
108	54.4	+73 21	6.2	*6.24*		. . ▲
R	54.4	+54 8	R	9.38	4292,4292	03,*03*
452	54.4	+38 7	7.4	7.22	3178,3534	08,*07*
354	54.4	−15 37	7.0	7.44	2830,3143	02,*02*
737	54.4	−23 25	7.5	6.82	3167,3181,3886	03,02,*04*
274	54.7	+ 5 34	7.5	*7.11*		▲ . .
371	54.7	−14 22	7.0	*7.06*		▲ . .
688	54.7	−26 55	6.6	*6.71*		. 07,*07*
366	54.8	+61 24	7.3	7.74	3149,3160	00,01
840	54.8	−23 56	8.3	8.14	2827,3166	07,*06*
117	54.9	+71 56	4.0	*4.05*		. . ▲
63	55.0	+76 48	5.3	*5.34*		. *05*,04
311	55.0	+ 2 38	6.5	*5.84*		. . ▲
423	55.1	+40 44	7.0	6.92	3178,3534,3918	18,*19*,02
273	55.1	+ 3 55	7.5	7.12	3162,3164	10,*09*
356	55.1	−21 19	6.0	5.64	3166,4227,4232	10,*13*,02
312	55.2	− 3 51	7.0	6.89	2821,2822,3504,3534,3542,3544	*01*,06,06,*20*,*03*,12
358	55.3	−21 34	4.1	4.27	3167,4227,4232	*09*,08,02
282	55.4	+64 25	6.0	*6.01*		. 11,*11*
760	55.4	−35 55	7.1	7.49	2815,3152,3504	07,08,*14*
380	55.5	− 9 1	5.8	5.74	3544,4227,4228,4232	06,11,06,*24*
R	55.5	−42 31	. .	5.43	3131,3182,3504,3563,3570,3858,3944,4233	*35*,00,*02*,*03*,00,32,06,02
274	55.6	+63 54	6.0	*5.73*		. . ▲
439	55.6	+54 1	5.0	5.00	3924,3937,4223	09,05,*13*
61	55.7	+80 11	7.5	*7.50*		▲ . .
382	55.8	− 8 58	7.3	*7.06*		. . ▲
86	55.9	+75 38	5.0	*5.30*		02,*11*,10
157	56.0	+70 43	7.3	7.64	3149,3160	00,01
498	56.0	+46 22	7.3	7.10	3502,3574	*07*,06
296	56.0	+22 54	7.0	6.55	3178,3181,4235	02,02,*05*
789	56.1	−24 55	7.0	*7.26*		. 01,*01*,
386	56.2	−11 32	7.5	7.68	2830,3145	13,*14*
326	56.4	+14 35	6.9	6.66	3934,3937	19,*18*
320	56.5	+27 56	6.5	6.73	3178,3181,3918	*03*,*03*,05
270	56.6	+21 38	7.5	7.27	3178,3181	00,00
313	56.6	+ 7 23	7.3	7.16	3164,3166	03,*02*
440	56.8	+54 13	7.9	7.66	3928,3931,3932	14,01,*14*
703	56.8	−30 28	5.5	5.49	3131,3149,3178,3182,3504,3562,3563,3570,3858,3867,3870,3944,4223,4232,4233,4270,4277	02,*19*,*16*,*15*,08,*02*,13,*03*,*02*,18,*04*,*03*,35,*07*,06,06,*09*
112	56.9	+74 6	7.3	7.50	3149,3160	09,*10*
317	56.9	+ 2 17	3.5	*3.91*		. 11,*11*
265	57.0	+12 13	7.5	*7.13*		. ▲ .
64	57.1	+80 49	6.1	*6.00*		*07*, . 06
285	57.1	+64 37	6.5	6.56	3937,3943	*01*,00
448	57.1	+54 38	8.9	8.51	3928,3931,3932	*01*,06,*04*
369	57.1	+32 49	5.5	*5.48*		. . ▲
397	57.2	+59 45	7.2	*7.41*		▲ . .
271	57.2	+13 0	6.5	6.28	3164,3166,3934	*04*,*01*,05
371	57.2	−17 3	7.3	7.80	2830,3145	13,*13*
539	57.4	+50 1	7.5	*8.42*		▲ . .
275	57.6	+10 33	7.0	*6.83*		▲ . .
483	57.7	+51 29	6.7	6.54	3169,3574,3937	*04*,*14*,19
95	57.8	+74 23	7.5	7.64	3149,3160	05,*04*
395	57.8	+41 51	2.0	*2.26*		. . ▲
346	57.8	+27 0	7.5	7.40	3178,3181	10,*10*
304	57.8	− 2 52	7.0	6.95	2821,2822,3934	*17*,00,17
65	57.9	+80 59	6.7	*6.77*		▲ . .
69	58.0	+78 51	7.3	7.10	3149,3160	09,*10*
401	58.0	+59 52	7.2	*7.61*		▲ . .
452	58.0	+54 17	8.5	7.97	3928,3931,3932	26,*11*,*16*
341	58.0	+25 28	6.0	*5.57*		. . ▲
341	58.0	−22 27	7.0	6.80	2818,2827,3886	12,*16*,05
714	58.0	−30 9	6.7	6.34	2815,2824,3504	*04*,14,*09*
307	58.1	− 0 21	6.0	*5.49*		. . ▲
356	58.2	−15 48	6.2	*6.00*		. 10,*11*,
453	58.3	+55 9	6.9	6.58	3937,3943	13,*14*
307	58.3	+17 46	7.0	6.42	3164,3166,3934	*18*,05,18
872	58.3	−24 22	6.2	*6.51*		. . ▲
381	58.4	− 4 49	7.5	7.54	2821,2822,3934	*19*,*03*,21
424	58.6	− 9 57	7.5	7.38	2821,2822,3934	*16*,*11*,27
343	58.7	+25 27	7.2	7.31	3931,3932,3932,3934,3934	*03*,*20*,*06*,16,14
285	58.7	− 0 49	7.3	*6.01*		. 14,*14*
324	58.7	− 4 35	6.0	5.87	3934,4227,4228,4232	*02*,*02*,*01*,04
317	58.8	+ 7 37	7.5	*7.35*		. ▲ .
544	59.0	+50 9	7.0	*7.12*		▲ . .
356	59.1	−18 0	6.8	7.30	2830,3145	03,*03*
397	59.2	− 6 11	7.5	7.81	2821,2822,3166	*06*,00,05
382	59.3	−12 21	6.4	6.70	2830,3145,3934	21,*26*,05
788	59.3	−37 41	8.0	7.89	2824,3504,3886	22,*05*,*18*
321	59.6	+ 7 15	7.0	6.55	3164.3166,3934	*16*,09,06
264	59.7	+ 9 38	7.3	7.16	3164,3166	*07*,08
511	59.8	+46 23	7.0	7.48	3169,3502	12,*12*
362	59.8	−16 42	7.5	7.47	2830,3145,3218	19,*18*,*01*
434	59.9	+41 3	7.3	6.74	3178,3534,3918	*04*,01,04
706	0.0	−29 47	4.9	*4.69*		. 11,*11*,
266	0.1	+ 9 35	7.5	7.22	3164,3166	*03*,02
384	0.1	−17 46	7.3	7.60	2830,3145	03,*03*
163	0.4	+71 5	7.2	*6.74*		. ▲ .
724	0.4	−35 45	7.5	7.61	3152,3161,3166,	06,01,18,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3167	*26*
324	0.5	+ 6 33	7.0	*6.88*		. A .
656	0.7	−28 52	7.3	7.24	2818,2827	09,*09*
713	0.7	−29 2	7.2	7.64	2818,2827	09,*09*
285	0.8	+23 52	7.3	7.02	3178,3181	15,*15*
348	1.0	+25 22	7.4	*7.36*		A . .
279	1.0	+22 11	6.0	5.13	3913,4235	11,*11*
324	1.0	+ 7 46	7.0	6.66	3164,3167,3934	*17*,*02*,18
71	1.1	+79 13	7.3	7.10	3149,3160	*11*,10
295	1.1	+64 33	7.3	7.54	3149,3160	*20*,21
359	1.1	+28 48	6.7	6.53	3178,3181,3913	*03*,*03*,06
349	1.1	+25 13	6.5	*6.00*		*02*,*01*,02
282	1.1	+13 0	7.3	7.20	3164,3167	*16*,17
430	1.2	−10 45	7.0	6.66	2830,3145,3886	*15*,18,*02*
388	1.3	− 4 50	7.3	*7.30*		A . .
51	1.4	+83 6	7.0	*6.86*		A . .
818	1.4	− 0 27	7.3	6.34	2821,2822,3166,3504,3542,3544	*16*,*09*,25,01,*01*,02
63	1.5	+79 13	6.7	6.55	3937,3943	08,*08*
306	1.5	+22 59	2.0	*2.32*		. 13,*13*
370	1.6	−15 55	7.0	7.04	2830,3145,3219	02,05,*08*
494	1.7	+57 57	6.5	5.90	3169,3180,3937	*10*,10,01
357	1.7	+26 46	7.0	6.82	3178,3181,3913	08,*02*,*05*
376	1.9	+35 4	7.3	*7.47*		A . .
338	2.0	− 4 41	7.5	7.50	2821,3886	*05*,06
403	2.1	− 9 5	6.7	6.90	3886,3934	*06*,05
386	2.2	−19 37	6.3	6.63	3886,3934	*05*,05
431	2.3	+43 58	6.9	6.50	3168,3502,3873	*10*,13,*03*
449	2.3	+42 44	7.5	7.60	3168,3502	00,00
315	2.3	+17 33	7.3	6.51	3164,3167,3934	*17*,06,11
802	2.4	−37 36	7.3	7.48	2815,2824,3152,3504	*10*,*14*,33,*09*
486	2.5	+37 23	5.0	*4.77*		. . A
293	2.5	− 1 5	7.5	6.89	2821,3144,3886	*01*,02,*02*
305	2.6	+15 20	7.0	*7.49*		A . .
285	2.6	+ 5 31	7.5	*7.51*		A . .
391	2.7	−16 47	8.8	8.93	3139,3155,3161	*18*,01,17
416	2.8	+38 53	7.3	7.70	3178,3182	*20*,20
554	2.9	+45 22	7.4	*7.67*		A . .
411	2.9	+41 29	7.5	6.94	3168,3502,3873	06,*03*,*02*
422	3.3	+59 31	6.8	6.65	3169,3180,3574	05,*05*,01
460	3.4	+53 22	6.0	6.42	3574,4223,4236	*03*,08,*05*
296	3.4	− 0 54	8.3	7.70	2821,3144	*02*,01
437	3.4	−10 31	7.0	6.87	2830,3144,3886	*06*,*12*,18
530	3.5	+55 49	7.2	7.50	3169,3180	10,*10*
456	3.5	+42 23	7.2	7.25	3168,3169	05,*05*
366	3.5	− 7 9	6.8	6.57	3144,3162,3886	02,*01*,*01*
381	3.6	+34 31	3.0	*3.05*		. 09,*09*
675	3.6	−28 3	7.0	7.22	2818,2827	*06*,06
355	3.7	+25 28	5.0	*5.08*		. . A
247	3.9	+16 46	6.8	6.43	3164,3167,3934	*09*,04,04
374	4.0	−18 15	5.7	*6.32*		. . A
121	4.1	+73 34	6.5	*6.19*		. . A
466	4.1	+50 35	7.2	*7.47*		A . .
324	4.1	− 2 49	7.1	7.13	3144,3145,4227	18,*02*,*15*
329	4.2	+19 52	7.5	*8.00*		A . .
379	4.2	−16 29	8.0	7.80	3144,3162,3169	10,15,*26*
390	4.4	+32 53	7.0	7.70	3178,3182	*20*,20
292	4.4	+12 42	7.5	7.62	3164,3167	07,*08*
288	4.4	+ 3 46	7.5	7.46	3164,3167	07,*06*
799	4.5	−28 28	7.4	7.62	2827,3166	12,*11*
438	4.6	+57 11	6.5	*6.36*		. A .
404	4.6	−20 2	7.3	7.28	2827,3886	11,*10*
808	4.6	−32 13	7.0	7.05	2824,3166,3504	*08*,19,11
807	4.6	−36 18	7.7	7.78	2824,3167,3519	19,*10*,*10*
73	4.7	+78 42	7.3	7.04	3149,3160	*05*,06
289	4.7	+ 3 18	7.1	6.91	3164,3167,3934	12,*21*,10
425	4.8	+38 34	6.1	*5.57*		. . A
809	4.8	−32 17	7.3	7.75	3166,3167,3504	29,*21*,*08*
382	4.9	−16 36	7.5	7.71	3162,3166,3504	*06*,14,*08*
921	4.9	−24 49	6.4	*6.48*		. 09,*09*
377	5.0	−15 21	7.3	7.78	2830,3144	*07*,07
277	5.1	+19 2	6.0	5.94	3164,4256,4265,4280,4288	00,*26*,01,10,16
R	5.2	−43 59	. .	5.81	3519,3562,3563,3570,3870,3944	09,03,13,00,*19*,*07*
293	5.3	+23 20	8.0	7.23	3931,3932,3934	*19*,*04*,22
414	5.3	− 9 13	8.0	8.18	2823,3144	02,*01*
362	5.5	+25 27	6.8	6.18	3931,3932,3934	11,*13*,03
347	5.6	+31 3	6.5	*6.20*		21,*04*,*17*
341	5.7	+20 55	7.5	7.22	3178,3181	*05*,05
449	5.9	+56 45	7.0	7.05	3169,3180	*05*,05
400	5.9	−13 24	7.0	7.30	2830,3144	*02*,02
347	6.1	+ 8 6	6.3	5.80	3934,4256,4265,4277,4280	*04*,*22*,07,11,10
307	6.2	+64 23	7.0	7.40	3149,3160	*16*,15
694	6.2	−28 42	7.2	7.19	2827,3167	16,*16*
380	6.3	−15 33	6.8	6.62	3886,3934	*20*,19
447	6.4	−10 31	6.5	6.16	3886,3934	*16*,15
381	6.4	−15 9	7.2	7.54	2830,3886	02,*03*
402	6.4	−19 47	7.5	7.44	2830,3886	16,*15*
813	6.4	−35 59	7.3	7.64	2824,3185,3519	06,*15*,09
725	6.4	−38 50	7.5	7.70	2824,3185,3519,3534,3544	25,*30*,*12*,*08*,25
346	6.5	+ 2 59	7.4	6.71	3164,3167,3934	*08*,*11*,18
375	6.5	− 2 18	6.3	6.00	3934,4256,4277,4283	19,*18*,*02*,00
239	6.6	+66 3	6.0	6.20	3160,4236,4253	*05*,*08*,13
519	6.6	+58 6	6.6	6.46	3547,4236,4253	06,02,*09*
621	6.6	+48 55	7.5	7.85	3169,3547	*05*,05

2^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
382	6.6	+31 42	7.5	8.10	3178,3182	*20*,20
371	6.6	+29 50	5.0	*5.10*		. . A
496	6.8	+40 12	7.2	*7.32*		A . .
381	6.8	−18 13	6.7	6.73	2830,3144,3886	00,15,*16*
541	6.9	+52 35	6.7	6.84	3169,3180,3901	*14*,16,*02*
447	6.9	+43 45	5.2	5.00	3168,3873,4236	30,*23*,*06*
297	6.9	+23 43	6.7	6.19	3178,3182,3913	*22*,18,03
406	6.9	−19 27	7.2	6.74	3886,3934	*02*,02
481	7.0	+50 36	6.1	5.42	3180,4236,4253	08,*06*,*02*
498	7.0	+40 3	7.0	*7.47*		A . .
242	7.1	+65 52	6.8	*7.35*		A . .
347	7.1	+ 2 18	7.3	6.69	3164,3167,3934	04,*09*,04
348	7.2	+20 44	5.5	5.26	3178,3181,4259	*19*,01,17
309	7.3	+64 33	7.5	8.14	3149,3160	*10*,11
462	7.3	+40 19	7.3	*7.52*		A . .
351	7.3	+13 27	7.5	7.36	3164,3168	*02*,01
382	7.3	−18 12	7.7	7.46	2830,3144	07,*08*
536	7.6	+47 2	6.2	6.03	3169,3547,3873	*03*,02,01
357	7.6	+14 48	6.0	*5.81*		. . A
345	7.7	+ 8 23	4.6	*4.63*		. . A
336	7.7	− 2 52	5.9	*5.63*		. . A
522	7.9	+58 1	7.5	7.65	3169,3180	*05*,05
325	8.0	+25 8	7.5	*7.08*		03,*02*
497	8.2	+54 38	6.9	*7.16*		A . .
539	8.3	+46 14	7.0	6.73	3169,3547,3873	*03*,16,*13*
283	8.3	+19 9	7.2	7.10	3164,3168,3934	*06*,*13*,19
367	8.3	+ 4 33	7.8	6.56	3164,3167,3934	*03*,*16*,20
369	8.4	+62 46	7.0	7.24	3149,3160	*10*,11
633	8.4	+48 20	6.8	6.92	3169,3547,3873	*02*,09,*08*
368	8.4	+26 10	7.3	7.30	3178,3181	00,00
396	8.4	−21 28	6.2	5.98	3167,4227,4256,4277	00,*09*,*05*,13
354	8.5	+30 16	7.8	*7.31*		A . .
882	8.5	−31 12	5.4	5.17	3149,3178,3186,3544,3562,3563,3570,3867,3870,3895,3931,3944,4223,4232,4270,4277	*35*,01,*15*,*12*,*03*,14,*08*,R,02,46,R,*14*,32,06,09,*24*
767	8.6	−35 0	7.8	7.06	2824,3167,3519	*05*,*02*,06
198	8.7	+66 49	7.4	7.20	3149,3160	*06*,05
822	8.7	−23 20	7.5	7.34	2827,3167	00,01
527	8.8	+52 3	6.8	7.26	3169,3547	24,*23*
376	8.9	+29 57	7.3	*7.21*		A . .
374	8.9	+28 14	6.5	6.57	3181,3182,3913	*07*,13,*07*
429	8.9	− 9 32	6.7	6.70	3886,3934	*15*,14
832	9.1	−36 32	7.5	7.50	2824,3167,3519	*05*,05,01
312	9.2	+64 30	7.5	8.40	3149,3160	*06*,05
756	9.2	−33 48	7.0	7.18	2824,3166,3167,3519	01,08,*12*,02
590	9.5	+47 21	6.7	6.44	3169,3547,3873	06,01,*08*
369	9.5	+ 1 12	7.5	*7.49*		A . .
303	9.6	+23 50	6.5	6.88	3931,3932,3934	06,*20*,15
313	9.7	+64 48	7.0	*7.65*		A . .
470	9.8	+56 34	7.0	7.21	3169,3528	*01*,01
480	9.8	+42 15	7.5	7.61	3169,3547	*11*,11
712	9.8	−28 22	7.4	7.62	2827,3167	06,*06*
471	9.9	+56 36	6.6	6.42	3169,3528,3873	08,01,*08*
457	10.0	+60 53	7.5	8.08	3169,3528	*02*,02
531	10.0	+58 11	8.2	7.90	3166,3528,3873	20,12,*32*
614	10.0	+49 22	7.5	7.53	3574,3577	*07*,07
409	10.0	+32 54	5.2	5.25	3178,4259,4265	*15*,03,12
373	10.0	+25 19	6.1	*5.87*		04, . *04*
329	10.0	+24 35	6.0	5.68	3178,4259	*01*,00
500	10.1	+51 4	7.5	7.35	3589,3592	*15*,15
370	10.1	+ 0 15	7.2	6.71	3934,3943	11,*11*
418	10.4	−12 31	7.5	7.70	2830,3144,3504,3534,3542,3886,3911,3934	51,*15*,02,*16*,*24*,*09*,02,06
980	10.4	−24 0	7.0	7.16	2827,3167	15,*14*
314	10.5	+65 8	7.2	*7.60*		A . .
360	10.5	+30 35	7.4	*7.86*		A . .
460	10.5	− 9 56	7.0	6.50	3886,3911	11,*11*
621	10.5	−41 38	6.1	5.85	3167,3178,3186,3570,3870,3895,3911,3914,3931,3932,3944,4270,4277	21,*07*,*12*,06,*16*,*03*,*32*,19,*11*,14,07,*03*,13
755	10.6	−38 0	7.3	7.52	2824,3185,3519,3886,3914,3932	*24*,39,*18*,*13*,06,10
395	10.8	+33 46	5.0	*5.10*		. . A
535	10.9	+57 26	6.2	6.10	3587,4236,4253	*03*,*25*,27
486	11.0	+57 4	6.5	6.15	3528,3587,3589,3589	*03*,05,R,*03*
394	11.0	−18 41	7.5	7.92	3144,3162	04,*03*
847	11.0	−36 47	7.7	7.89	2824,3185,3519	13,*17*,04
315	11.1	+63 58	7.0	7.05	3149,3160.3937	*11*,00,11
443	11.1	+35 28	7.5	*8.22*		A . .
316	11.3	+63 29	7.0	7.60	3149,3160	14,*15*
462	11.3	−10 17	7.5	*7.24*		A . .
397	11.4	+33 23	4.1	*4.02*		. *07*,08
497	11.5	+53 50	7.5	7.64	3589,3901	*15*,14
307	11.5	+23 19	6.8	6.50	3178,3181,3913	07,*03*,*04*
382	11.6	+28 18	6.8	6.61	3178,3181,3913	*01*,*11*,13
604	11.7	+47 42	7.2	7.12	3574,3577	*07*,08
489	11.7	+42 27	6.7	7.08	3547,3574	*09*,09
392	11.9	− 7 3	7.5	7.04	2821,2823	01,00
862	11.9	−36 56	7.3	7.46	3185,3188,3519,3534,3544,3886,3914,3931	*24*,24,*17*,*16*,*09*,*03*,13,29

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
393	12.0	− 6 53	5.5	5.66	3895,3895,3901,3901,3905,3905,3911,3911,3913,3913,3914,3914,3918,3918,3920,3920,3921,3921,3922,3922,3924,3924,3925,3925,3928,3928,3931,3931,3932,3932,3934,3934,3937,3937,3943,3943,3944,3944,3946,3946,3950,3950,3955,3955	*12*,*27*,*05*,24,03,*13*,13,*04*,*02*,*16*,*09*,*18*,*01*,*08*,02,18,11,*13*,*07*,*09*,20,11,*07*,10,27,33,*01*,*12*,*08*,*14*,41,12,*16*,*09*,*17*,*16*,*08*,*13*,14,09,02,09,*05*,09
522	12.1	+56 40	6.8	6.58	3528,3547,3873	*07*,14,*07*
530	12.2	+56 43	6.7	6.66	3528,3587,3589,3589	*04*,01, R, 04
385	12.2	+28 34	7.0	6.85	3178,3181,3913	*05*,*05*,09
339	12.2	+18 0	7.3	7.40	3164,3168	*06*,07
68	12.3	+79 19	7.7	7.82	3160,3180	03,*02*
387	12.3	+29 24	7.5	7.35	3178,3181	05,*05*
466	12.4	+59 33	6.7	*7.36*		A . .
320	12.5	+63 52	7.0	6.49	3149,3160,3937	05,*04*,*02*
467	12.5	+59 35	6.7	6.80	3901,3937	*07*,08
517	12.5	+39 49	6.5	*7.12*		A . .
628	12.6	+49 41	7.2	7.28	3574,3577	*05*,04
458	12.6	+36 37	7.5	8.01	3182,3542	*01*,01
340	12.6	+19 26	6.0	5.56	3164,4256,4265,4277	*32*,20,10,01
315	12.7	+13 0	6.8	7.76	3164,3168	*12*,11
552	12.8	+46 55	5.2	*5.00*		. . A
589	12.8	+46 1	6.3	*6.12*		05, . *04*
410	12.8	+ 1 17	5.8	5.76	3943,4256,4265,4277	*10*,11,03,*06*
548	12.9	+52 5	7.0	7.04	3528,3587,3592	*10*,07,02
648	12.9	+48 29	6.7	6.40	3574,3577,3873,3901	06,10,01,*15*
920	13.1	−31 11	7.4	7.64	2824,3185,3519	18,*09*,*09*
859	13.1	−36 27	6.7	6.79	2824,3185,3519	08,17,*26*
360	13.2	+28 11	5.8	5.28	3178,4259,4265	*08*,13,*04*
329	13.3	+22 43	6.0	*6.30*		. . A
521	13.4	+39 23	6.8	6.55	3913,3918	*08*,08
317	13.4	+12 33	6.5	7.12	3164,3168	17,*18*
362	13.4	+ 7 44	7.5	7.06	3164,3167	03,*02*
423	13.4	−14 35	7.2	8.34	3504,3534	*09*,10
1008	13.4	−24 5	7.5	7.34	2827,3185	07,*07*
363	13.5	+ 7 15	8.0	8.00	3167,3188,3504,3542,3544	*16*,35,*09*,*13*,05
440	13.5	− 8 49	7.5	7.61	2821,2823	01,*01*
522	13.6	+50 30	7.0	6.73	3901,4236	*04*,04
342	13.6	+19 14	7.5	6.88	3542,3544	01,*01*
924	13.7	−31 50	7.5	8.32	2824,3185,3519	*02*,*19*,21
588	13.8	+55 27	6.8	6.88	3901,3937	*10*,11
422	13.9	− 7 55	7.5	7.56	2821,2823	*04*,04
450	14.0	+58 48	7.5	7.58	3528,3587,3589,3592	*10*,13,*05*,04
372	14.0	+30 54	7.3	7.29	3182,3542	01,*01*
525	14.1	+54 57	7.0	*7.61*		A . .
557	14.2	+46 51	6.5	6.08	3577,3592,3944	*17*,28,*12*
392	14.2	+29 45	6.5	6.50	3913,3918	07,*06*
437	14.2	−19 59	7.2	7.04	2830,3886	14,*13*
507	14.3	+54 4	6.5	6.83	3587,3592,3944	*12*,06,06
802	14.3	−26 54	7.5	8.02	2827,3185	11,*12*
640	14.4	+49 42	6.2	5.66	3574,3577,4236	*09*,09,*01*
166	14.5	+68 19	7.5	7.40	3149,3160	*06*,05
533	14.5	+37 55	7.5	7.93	3182,3542	*03*,03
355	14.5	− 3 25	9.0	9.15	2423,3519,3519,3534	*15*,12,06,*03*
828	14.5	−26 25	6.5	6.39	3185,4256,4277	01,04,*05*
94	14.6	+75 40	7.5	*7.57*		A . .
321	14.6	+64 47	7.0	*7.25*		A . .
438	14.6	− 4 48	7.0	6.47	3886,3911	*21*,21
568	14.8	+56 47	6.7	6.54	3528,3587,3589,3944	*08*,10,*05*,04
502	14.8	+42 30	6.5	7.08	3574,3577	10,*11*
464	14.9	+36 37	7.2	7.57	3182,3542	03,*03*
453	14.9	− 6 46	7.5	7.84	2821,2823	01,00
393	15.0	+28 17	7.3	7.30	3178,3181	*10*,10
456	15.1	+58 43	7.3	*7.80*		. *07*,07
474	15.2	+44 9	6.5	6.96	3574,3577,3944	*12*,06,06
128	15.3	+73 3	7.5	8.04	3149,3160	05,*04*
598	15.3	+55 23	5.7	5.31	3901,3937,4236,4253,4270	R,*10*,12,*04*,02
401	15.4	−14 51	7.3	8.03	2830,3886,3911,4256,4277,4283	05,*29*,07,24,*12*,06
385	15.6	+63 9	7.4	7.94	3149,3160	*10*,11
536	15.6	+38 4	7.8	8.00	3182,3542	20,*21*
591	15.8	+56 47	7.5	7.46	3528,3587,3589	00,07,*07*
593	15.9	+56 56	7.0	6.95	3528,3587,3589	16,06,*22*
436	15.9	−12 8	7.5	7.83	2830,3144	08,*08*
371	16.3	+ 7 18	7.5	7.42	3164,3168	07,*08*
334	16.4	+22 25	6.8	6.61	3178,3181,3913	*14*,*04*,18
506	16.5	+43 5	7.3	7.44	3574,3577	15,*15*
387	16.6	+63 6	7.4	7.84	3149,3160	*20*,21
556	16.6	+51 38	6.5	6.58	3592,3937,4236	26,*10*,*16*
500	16.6	+40 57	6.3	5.83	3570,3895,4259	*09*,*19*,27
321	16.6	− 0 48	8.0	7.30	3143,3145	08,*09*
440	16.6	−20 22	6.7	6.54	3886,3911	*01*,02
684	16.6	−39 29	8.3	7.63	2824,3161,3519	11,*35*,24

2^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
388	16.7	+62 36	7.3	7.54	3149,3160	00,01
428	16.7	− 7 59	7.3	7.52	2821,2829	00,*01*
355	16.8	− 0 4	5.5	*5.53*		. . A
535	16.9	+54 55	6.4	6.38	3937,3944	*06*,06
544	17.1	+37 49	7.0	7.08	3182,3542	*08*,09
281	17.1	+16 25	7.0	6.78	3164,3167,3943	06,09,*14*
322	17.1	− 1 20	5.8	*5.64*		. . A
448	17.1	−11 14	5.5	5.61	3144,4256,4277,4283	*16*,34,*16*,*01*
434	17.1	−14 44	7.0	7.26	3534,3542	*08*,07
409	17.4	−18 7	6.0	*6.08*		. *07*,08
425	17.5	+35 0	7.0	6.78	3895,3913	16,*15*
283	17.5	+17 9	7.3	7.26	3164,3167	08,*09*
457	17.5	−16 58	7.5	7.36	2830,3144	07,*08*
752	17.6	−28 19	7.1	7.47	2827,3185	11,*11*
649	17.8	+49 33	5.8	5.48	3937,3944,4236	*15*,21,*07*
453	17.8	+41 39	6.9	6.79	3574,3577,3937	09,*11*,01
422	17.9	+33 25	7.5	7.62	3182,3542	08,*08*
484	18.0	+59 33	7.2	7.52	3528,3587,3589,3592	04,*08*,*08*,14
565	18.0	+46 55	7.5	7.57	3574,3577,3901	16,19,*35*
472	18.0	+38 53	7.5	7.72	3182,3542	*02*,03
1038	18.0	−24 16	5.4	*5.39*		. 18,*18*
483	18.1	+60 4	7.4	*8.11*		A . .
538	18.1	+39 22	7.0	7.26	3542,3570	*03*,04
472	18.2	+61 5	6.6	*7.11*		A . .
612	18.2	+56 10	6.3	6.21	3528,4236,4253	04,*03*,00
539	18.3	+54 48	7.0	*7.51*		A . .
444	18.3	−18 48	6.3	*6.47*		. . A
139	18.4	+73 16	6.9	7.22	3160,3181	*02*,03
470	18.4	− 6 39	7.0	7.04	2823,2829	*20*,20
695	18.5	−39 52	7.5	7.52	2824,3161,3519	14,*23*,09
953	18.6	−31 51	7.5	7.96	2811,2824,3519	*04*,04,*01*
656	18.9	+49 50	4.9	4.91	3168,3574,3944	*01*,*06*,06
409	18.9	+28 46	7.5	7.10	3178,3181	00,00
392	18.9	+15 4	7.3	*7.79*		A . .
827	18.9	−27 27	6.8	7.01	2827,3185,3534	20,07,*27*
852	18.9	−30 19	7.5	6.94	2811,2824,3152,3534	*14*,14,13,*14*
797	19.0	−38 2	6.6	6.64	2811,2815,3519 3931	*01*,09,06 *15*
478	19.1	+36 40	7.2	7.28	3542,3570	*08*,07
486	19.2	+59 12	6.9	*7.11*		A . .
621	19.2	+56 47	7.0	7.42	3169,3528,3901	*02*,01,02
425	19.2	+33 25	7.2	7.49	3570,3895	*07*,07
432	19.4	+34 34	7.2	6.92	3542,3570,3895	05,00,*04*
372	19.4	− 3 33	8.2	7.16	3922,3922,3924,3924,3925,3925,3943,3943,3944,3944,3946,3946,4256,4256,4277,4283,4286,4286,4291,4291,4306,4306	17,19,27,37,05,*11*,*12*,*32*,*16*,14,*06*,*04*,40,16,*22*,*03*,*20*,17,*27*,*09*,*04*,*31*
438	19.4	−16 42	6.4	6.59	2830,3144,3886	17,*09*,*09*
418	19.5	+31 57	7.8	7.50	3542,3570	*01*,02
316	19.5	+10 9	5.7	5.52	3164,4265,4277	*03*,09,*07*,
568	19.6	+57 14	7.0	7.32	3169,3528	*12*,11
482	19.7	+36 33	7.5	7.47	3542,3570	01,*01*
440	19.7	−13 45	7.0	7.65	2830,3144	03,*03*
857	19.8	−26 18	6.6	6.58	3161,4256,4277,4278	*02*,10,11,*21*
471	20.0	+58 40	7.5	*7.26*		. 13,*13*
374	20.0	− 3 14	6.7	*6.30*		. 00,01
394	20.0	− 4 20	7.0	*7.06*		14 . *14*
399	20.2	+62 26	7.5	8.11	3155,3160	*04*,04
347	20.2	+24 42	7.3	6.94	3178,3181,3895	*04*,06,*01*
335	20.2	+11 32	7.3	7.52	3164,3167	*03*,02
915	20.3	−37 49	6.6	6.92	2811,2815,3519	*06*,14,*07*
213	20.8	+66 57	4.7	4.58	3131,3143,3149,3152,3164,3168,3180,3186,3188,3193,3211,3214,3219,3221,3502,3547,3550,3563,3570,3587,3589,3592,3865,3870,3871,3873,3875,3875,3895,3913,3918,3928,3931,3934,3937,3944,3946,3950,3955,4223,4227,4232,4235,4252,4253,4277,4280,4283,4291,4295,4306,4308	*20*,*11*,16,00,*02*,*02*,19,T,*21*,08,08,*32*,19,09,15,11,02,*14*,*07*,07,21,21,07,08,*15*,24,*12*,*17*,*15*,10,*07*,00,01,11,03,18,*10*,25,10,24,07,*08*,16,*12*,*42*,*16*,*20*,*07*,11,07,09,*40*
437	20.8	+35 9	6.9	6.94	3895,3913	*03*,03
319	20.8	+10 11	7.5	*7.52*		A . .
409	20.8	−22 15	7.8	7.74	2827,3185	*08*,07
402	20.9	+62 44	7.2	7.41	3155,3180,3181	16,06,*23*
631	21.0	+47 46	7.8	7.66	3168,3574	*06*,05
338	21.0	+ 5 51	7.5	6.67	3164,3167,3943	*08*,07,02
451	21.1	−12 44	4.7	4.87	3144,4256,4277,4283	*02*,*09*,15,*05*
666	21.2	+50 7	6.5	6.30	3211,4236,4253,4270	10,*08*,*10*,07
398	21.2	+25 36	7.5	*7.11*		A . .
426	21.2	−15 47	6.0	*5.90*		12,*06*,*06*
409	21.3	+26 33	6.5	6.18	3178,3181,3895	02,02,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1076	21.3	−24 17	7.7	7.79	2827,3185	*08*,08	*644*	24.6	+57 5	7.0	7.35	3169,3211	*15*,15
321	21.4	+10 7	7.0	6.75	3943,3944	*08*,08	457	24.6	−13 21	6.8	7.25	2830,3144	03,*03*
427	21.5	+31 22	5.7	*5.92*		. . A	619	24.7	+45 57	7.3	6.97	3168,3574,3937	03,*08*,05
584	21.6	+52 37	7.5	7.50	3169,3211	*10*,10	490	24.7	+35 40	7.5	*7.67*		A . .
635	21.9	+47 50	7.5	7.80	3169,3574	10,*11*	439	24.7	−21 29	7.0	7.15	2827,3166	21,*21*
484	22.0	+38 23	7.2	6.91	3542,3895,4259	07,*23*,16	358	24.8	+24 48	6.2	*5.87*		04,*04*,00
455	22.0	−20 30	6.0	6.10	3166,3185,3886	06,*06*,00	183	24.9	+70 52	6.5	6.82	3944,3946	01,*01*
293	22.1	+16 12	6.8	7.26	3164,3167	08,*09*	365	25.0	+19 25	6.4	6.20	3164,4277,4280,	*06*,*02*,*03*,
323	22.1	+ 9 46	7.3	*6.54*		. A .						4283	10
557	22.3	+55 5	6.5	6.36	3937,3944	06,*07*	1106	25.0	−24 33	7.5	7.52	2827,3166	06,*07*
417	22.3	+29 14	5.5	5.42	3178,4259,4265	*12*,16,*03*	424	25.1	+61 17	7.0	7.40	3155,3180,3589,	07,*13*,50,
84	22.6	+77 13	7.5	7.82	3155,3160	*08*,08						3944,3946,3950	*16*,*08*,*19*
432	22.6	− 7 23	6.8	7.29	2823,2829	05,*05*	*502*	25.1	+61 1	7.5	7.82	3577,3589,3592	*03*,*01*,05
576	22.8	+57 22	7.0	7.30	3169,3211	10,*10*	*567*	25.1	+55 1	6.5	6.68	3937,3944	*11*,10
388	22.8	+ 8 1	4.5	*4.30*		. *01*,01	937	25.2	−36 23	7.7	7.61	2811,2815,3519	00,10,*10*
431	22.9	+ 1 31	6.8	6.49	3164,3167,3943	14,01,*16*	*620*	25.3	+46 9	7.2	7.06	3168,3574	*06*,06
499	23.0	+36 54	6.5	6.60	3542,3570,3895	04,05,*10*	*506*	25.3	+37 1	7.5	7.71	3542,3570	*06*,06
423	23.0	+29 29	7.5	*5.90*		. 09,*10*	942	25.3	−23 7	6.7	6.53	3185,4256,4277,	16,*08*,02,
559	23.1	+54 53	7.3	*7.96*		A . .						4278	*10*
560	23.1	+37 47	7.2	7.32	3542,3570	*06*,06	682	25.4	+49 44	7.0	*7.42*		A . .
614	23.3	+45 34	6.5	6.77	3168,3169,3937	*07*,13,*05*	380	25.4	+17 16	6.5	*6.41*		. A .
367	23.3	− 0 41	8.3	8.36	3925,3925	05,*04*	471	25.4	− 5 29	7.5	7.54	2823,2829	00,00
354	23.5	+23 2	6.0	*6.07*		. . A	572	25.6	+37 41	7.0	7.19	3542,3570	05,*05*
638	23.6	+48 4	7.5	7.86	3169,3937	04,*03*	*424*	25.7	+27 7	7.3	7.20	3178,3181	00,00
404	23.6	+21 9	7.5	7.92	3178,3181	15,*15*	378	25.7	− 0 11	6.5	*6.03*		10, . *10*
561	23.7	+55 6	6.5	*7.16*		A . .	979	25.7	−25 37	6.5	*6.51*		. 11,*11*
984	23.7	−30 53	7.0	7.72	2811,2815,3584	*14*,06,09	505	25.8	+59 33	7.5	7.46	3169,3528	*06*,06
75	23.8	+79 17	7.5	7.63	3155,3160	*02*,02	*585*	25.8	+58 0	7.5	7.46	3169,3528	04,*03*
81	23.8	+76 16	7.0	6.96	3944,3946	00,*01*	*541*	25.9	+54 7	7.5	7.76	3169,3577	14,*14*
640	23.8	+47 24	7.4	7.65	3168,3169	05,*05*	*947*	25.9	−22 59	6.3	6.38	3188,3192,3195,	07,27,02,
491	23.8	+38 42	7.0	6.91	3542,3570,3895	*01*,14,*13*						3504,3519,3534,	*13*,01,*21*,
882	23.8	−26 53	7.4	7.82	2827,3166	01,*02*						3886,3905,3905,	*07*,*02*,10,
905	23.8	−34 15	5.2	5.15	3149,3152,3185,	*15*,*16*,27,						3911,3911	*03*,*06*
					3188,3211,3895,	R,00,37,	497	26.0	+35 43	5.6	5.50	3186,3570,4259	10,10,*19*
					3931,4223,4270,	R,11,*23*,	468	26.0	− 8 26	7.5	7.80	2823,2829	20,*19*
					4277	*20*	414	26.1	+20 56	7.3	7.52	3178,3181	05,*05*
468	23.9	−11 47	7.0	7.00	2830,3144,3886	01,*05*,03	560	26.2	+39 49	6.8	*6.70*		A . .
590	24.0	+52 44	7.5	8.05	3169,3211	05,*05*	559	26.2	+39 37	7.3	7.58	3186,3542	22,*22*
641	24.0	+47 22	7.3	7.55	3168,3169	05,*05*	438	26.3	+ 1 50	5.5	*5.37*		. . A
512	24.0	+44 59	7.5	*7.27*		A . .	415	26.3	+ 0 40	7.5	6.62	3943,3944	*13*,14
493	24.1	+38 30	7.5	7.64	3542,3570	08,*08*	442	26.3	−15 34	7.5	7.53	2830,3144	*07*,07
930	24.1	−36 47	7.4	7.29	2811,2824,3519	07,03,*09*	588	26.4	+51 52	6.5	6.51	3169,3577,3937	09,*08*,*02*
580	24.2	+57 34	6.5	6.92	3169,3211,3937	*12*,08,05	444	26.4	+31 40	7.5	7.68	3186,3542	*08*,07
385	24.2	+ 9 7	6.3	*6.30*		. 09,*10*	*502*	26.5	+39 6	7.5	7.66	3186,3542	14,*13*
445	24.3	+33 23	6.5	6.25	3542,3570,3895	12,*13*,02	348	26.5	+21 34	7.5	7.17	3178,3181	00,00
990	24.3	−31 33	6.4	6.16	3149,3186,3188,	*04*,26, R,	485	26.6	+58 46	7.0	7.18	3169,3223,3528	12,*18*,05
					3211	*21*	852	26.6	−33 27	7.5	7.38	2815,2824,3185,	17,24,*22*,
554	24.4	+39 43	6.8	6.92	3895,3913,3918	*04*, R,04						3534,3544	*17*,*04*
932	24.5	−23 39	7.8	8.04	2827,3166	*03*,04	512	26.7	+36 53	7.2	7.44	3186,3542	*04*,03
582	24.6	+57 15	6.8	7.20	3169,3211	00,00	546	26.8	+42 28	7.0	7.10	3168,3574	*20*,19

2^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
480	26.8	+41 23	7.5	7.89	3168,3223,3574	*09*,11,*03*
454	26.8	+34 6	6.4	6.04	3542,4259,4270	*03*,09,*07*
272	26.9	+65 36	7.0	*7.10*		A . .
353	27.1	− 1 28	5.6	*5.54*		. . A
800	27.1	−27 57	7.2	7.46	3534,3544	06,*06*
215	27.2	+67 55	7.5	6.77	3155,3180,3944	00,*10*,11
449	27.3	−15 41	4.5	4.80	3144,3145,4256,	20,09,*41*,
					4277	10
957	27.4	−23 31	8.0	7.98	2827,3166	06,*07*
419	27.5	+14 36	6.5	*6.07*		*03*,00,03
421	27.6	+ 0 35	7.5	*7.48*		A . .
111	27.7	+75 6	7.5	*7.77*		A . .
420	27.7	+62 48	6.7	7.37	3155,3180	10,*10*
550	27.7	+42 21	7.7	7.55	3223,3574	*05*,05
458	27.7	+33 55	7.5	7.55	3186,3542	05,*05*
409	27.7	+30 59	7.5	7.37	3542,3895	13,*13*
112	27.8	+74 56	7.5	*8.24*		A . .
803	27.8	−28 14	7.4	7.63	2827,3166,3534,	35,01,*49*,
					3886,3911,3914	12,*04*,07
223	27.9	+67 2	7.0	7.37	3155,3180	10,*10*
421	27.9	+63 12	7.4	7.72	3155,3180	*05*,05
696	28.0	+49 38	7.0	6.86	3168,3577,3937	14,*11*,*04*
506	28.0	+38 18	7.0	6.74	3186,3542.3895,	*14*,08,*10*,
					3918	14
410	28.0	+31 10	7.5	7.96	3186,3542	04,*03*
325	28.0	+18 28	7.0	6.77	3164,3167,3943	27,00,*27*
478	28.0	−11 52	7.5	7.42	2830,3145	*11*,12
860	28.0	−33 3	6.9	6.67	2811,2815,3534	*10*,10,01
882	28.1	−27 26	7.4	7.34	2827,3166	17,*17*
957	28.1	−36 52	6.4	6.30	2811,2815,3519	*14*,16,*02*
462	28.2	+34 42	7.0	*7.31*		A . .
461	28.2	+33 20	6.6	6.92	3186,3542,3918	08,*03*,*04*
452	28.2	+32 1	7.5	7.56	3186,3542	14,*13*
140	28.5	+72 23	5.0	5.33	3143,3145,3149,	*20*,*08*,*04*,
					3152.3160,3161,	12,*03*,*18*,
					3162,3168,3178,	11,30,*08*,
					3180,3188,3192,	*20*,22,52,
					3193,3196,3198,	*02*, T ,*18*,
					3211,3214,3221,	00,20,*19*,
					3223,3504,3528,	*18*,00,*29*,
					3547,3550,3563,	15,04,*14*,
					3570,3589,3592,	*27*,*10*,*16*,
					3601,3865,3870,	37,15,21,
					3871,3873,3875,	*23*,49,*12*,
					3875,3895,3899,	10,11,17,
					3913,3918,3928,	04,*05*,26,
					3931,3934,3937,	15,15,*18*,
					3946,3950,3955,	*04*,*27*,26,
					4223,4227,4232,	16,*03*,18,
					4235,4252,4253,	*05*,*08*,*60*,
					4277,4280,4283,	12,29,*24*,
					4291,4295,4308,	*07*,*06*,*28*,
					4314	05
354	28.6	+11 45	7.2	*7.63*		. A .
426	28.7	+63 3	7.3	7.67	3155,3180	00,00
425	28.7	+62 41	7.5	8.07	3155,3180	10,*10*
176	28.8	+68 38	7.5	7.42	3155,3185	*05*,06
915	28.8	−26 44	7.5	8.04	2827,3166	07,*07*
594	28.9	+57 38	7.5	7.98	3169,3528	13,*11*
877	28.9	−35 5	6.0	5.98	3143,3188,3211,	07, R ,*14*,
					3519,3875,4223,	*07*,15,14,
					4270	*18*
340	29.0	+11 10	6.9	*7.00*		03,*04*, .
534	29.1	+44 12	7.4	7.42	3168,3574	*12*,12
502	29.1	− 6 4	7.0	7.29	2823,2829	05,*05*
481	29.1	−12 46	7.0	6.91	2830,3145,3886	07,01,*08*
480	29.1	−20 26	6.7	*6.42*		05, . *04*
573	29.2	+39 15	7.0	6.28	3186,3542,3918,	02,08,*01*,
					4259	*10*
280	29.4	+65 19	6.1	5.90	3155,3180,3913	*03*,*03*,05
519	29.4	+59 25	6.8	*7.56*		A . .
519	29.4	+36 53	6.0	5.86	3186,3542,3895,	04,16,*04*,
					3895,3901,3901,	*09*,*04*,*17*,
					3905,3905,4270	*08*,19,04
343	29.5	+63 40	7.2	7.52	3180,3181	05,*04*
819	29.5	−28 40	4.9	*4.92*		. 08,*08*
941	29.5	−30 22	7.5	7.30	2811,2815,3534,	10,10,*14*,
					4223	*04*
962	29.5	−37 50	7.5	7.74	3152,3161,3519	15,*16*,01
521	29.7	+36 39	7.0	7.55	3186,3542,3542,	*15*,13,13,
					3544,3544,3547,	*05*,05,*09*,
					3547,3550,3886,	*12*,11,*06*,
					3886,3895,3895,	*25*,09,*08*,
					3895,3895,3901,	11,12,20,
					3901,3901,3901,	05,10,*16*,
					3905,3905,3905,	02,07,*14*,
					3905,3911,3911,	04,06,*07*,
					3911,3911,3913,	19,*02*,*10*,
					3913,3913,3913,	01,00,*02*,
					3914,3914,3914,	05,00,*20*,
					3914,4270,4270,	*33*,*06*,03,
					4280,4280,4286,	14,29,*08*,
					4286	01
469	29.7	+34 15	5.6	5.67	3542,3918,4270	02,02,*03*
392	29.7	+ 7 3	7.0	*6.14*		. . A
929	29.7	−32 38	7.5	7.93	3152,3161,3166,	05,*14*,01,
					3185,3534	*12*,18
667	29.8	+55 28	7.7	7.76	3542,3544,3547,	*01*,08,04,
					3550,3886,3905,	*07*,*19*,*04*,
					3905,3911,3911	14,09,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
471	29.8	+34 17	7.3	6.76	3186,3542,3918	*16*,04,13
484	29.8	− 8 17	6.0	*5.98*		. . A
521	29.9	+59 39	6.7	*7.46*		A . .
599	29.9	+51 32	7.0	7.34	3169,3577	06,*07*
934	29.9	−31 57	7.5	7.39	3152,3161,3534	21,*17*,*04*
444	30.0	−22 22	6.8	*7.12*		. *06*,05
870	30.0	−33 33	7.7	7.57	2815,2824,3534	*12*,05,07
177	30.1	+68 52	8.0	8.02	3180,3182	05,*06*
495	30.2	+41 58	7.3	6.72	3168,3223,3574	08,*02*,*07*
438	30.2	+28 58	7.0	7.10	3178,3181	10,*10*
410	30.2	+13 23	8.2	8.22	3168,3169	15,*16*
440	30.4	+29 30	6.5	R		R . .
426	30.4	− 3 59	7.0	6.78	2823,2829,3886	*01*,*01*,01
498	30.4	−17 43	7.2	7.85	2830,3145	08,*08*
411	30.5	+13 20	7.5	7.40	3164,3167	04,*03*
484	30.5	− 9 47	6.7	*7.16*		A . .
398	30.6	+ 6 25	6.5	*5.96*		. . A
418	30.6	+ 5 9	5.3	*5.05*		06,09,*14*
496	30.7	+41 38	7.3	7.20	3168,3223,3574	*10*,*10*,19
515	30.7	+38 18	6.2	5.94	3186,3542,4270,4283,4286	*04*,13,01,*18*,08
719	30.8	+49 48	7.2	*7.32*		A . .
524	30.8	+36 56	8.3	8.34	3911,3911,3913,3913,3914,3914	01,21,18,13,*20*,*32*
418	30.8	+31 10	6.1	*6.16*		15, . *16*
366	30.8	+ 6 0	8.3	7.01	3519,3544,3544,3547,3550,3886,3905,3905,3911,3911,4277,4277,4286,4286,4289,4289	*36*,*17*,26,*13*,01,*01*,14,20,*02*,*06*,01,*25*,13,25,*14*,09
458	30.9	−15 22	7.0	6.89	2830,3145,3886	*03*,00,02
489	31.0	−8 16	6.0	*5.74*		. . A
444	31.1	+62 9	6.5	6.80	3180,3181,3944	*13*,*02*,16
582	31.1	+39 27	6.8	6.48	3918,3944	*07*,08
473	31.1	+32 27	6.5	6.29	3186,3570,3918	01,03,*04*
445	31.2	+62 8	7.5	7.48	3180,3181	09,*10*
360	31.2	+12 1	5.1	*5.74*		. 02,*03*
375	31.2	+24 13	7.5	6.18	3182,3219,4270	*01*,*01*,02
376	31.3	+24 13	7.0			
402	31.3	+ 7 18	6.5	6.07	3143,4277,4280,4283	*23*,05,*02*,19
447	31.3	−18 4	7.0	7.10	2830,3145	03,*03*
724	31.4	+50 8	6.6	*7.17*		A . .
445	31.4	−21 50	7.0	7.16	2818,2827	09,*10*
489	31.5	−11 36	7.2	7.42	2830,3145	09,*08*
492	31.6	−13 20	7.5	7.65	2830,3145	03,*03*
476	31.7	+34 44	7.5	*7.67*		A . .
461	31.8	−15 5	7.0	6.92	2830,3886	04,*05*
389	31.9	+20 9	7.6	6.86	3943,3944,4277	*16*,11,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
958	31.9	−30 28	5.7	5.87	3143,3188,3195,3875,4223,4270,4306,4308	*08*,25,*10*,01,06,*10*,*01*, R
1157	32.0	−24 21	7.5	7.56	2818,2827	*06*,05
588	32.1	+37 19	6.5	6.29	3182,3219,3918	01,*09*,09
452	32.1	− 2 46	7.2	7.48	2821,2823	*10*,09
448	32.3	+62 10	7.0	7.28	3180,3181	*01*,00
591	32.3	+37 40	6.5	6.26	3182,3219,3918	04,*06*,01
365	32.3	+11 51	7.3	7.72	3164,3167	07,*08*
492	32.3	−20 33	7.2	7.08	2818,2827	00,01
198	32.6	+71 11	7.0	7.41	3160,3180	*16*,16
991	32.6	−36 15	7.5	7.58	3152,3161,3166,3519	05,*02*,*04*,01
478	32.7	+32 59	6.9	7.05	3182,3186	05,*05*
421	32.7	+30 25	7.3	*7.21*		A . .
405	32.7	+ 7 16	7.3	6.32	3542,3943	21,*22*
436	32.7	− 8 49	6.0	5.81	3145,4256,4277,4283	00,*26*,16,11
951	32.7	−29 25	7.4	7.17	2818,2827	04,*04*
902	32.7	−35 45	7.2	7.53	3152,3161,3519	04,*21*,16
540	32.8	+61 3	7.3	7.75	3577,3592	00,00
903	32.8	−35 0	5.9	5.80	3143,3152,3195,3875,4306	*12*,04,*09*,*05*,21
394	33.0	+19 18	7.5	7.46	3164,3167	*02*,01
362	33.1	+21 32	5.8	5.30	3178,3181,3570	07,*13*,06
495	33.1	−13 34	7.3	7.78	2830,3167,3211	00,06,*05*
998	33.2	−23 25	6.8	6.89	2818,2827,4256,4277	03,15, R ,*18*
86	33.3	+81 2	5.9	*5.94*		*04*, . 04
683	33.3	+56 53	7.0	7.13	3169,3528	*07*,07
688	33.4	+55 51	7.5	7.52	3169,3528	*02*,02
609	33.4	+52 22	7.5	7.39	3577,3589	08,*08*
406	33.4	+ 3 1	7.2	6.37	3164,3167,3943	06,13,*19*
439	33.5	+14 26	7.5	7.30	3164,3167	04,*03*
722	33.6	+49 8	6.7	6.51	3168,3223,3574	09,09,*18*
352	33.7	+10 13	7.1	6.78	3155,3160,3161,3542,3544,3943,3944	25,*18*,*14*,04,*02*,*07*,10
956	33.7	−34 6	7.3	7.43	3152,3161,3166	06,*06*,00
481	33.8	+33 32	7.5	7.75	3182,3186	15,*15*
484	33.8	+32 23	7.1	8.15	3182,3186	05,*05*
689	33.9	+55 51	7.5	7.49	3169,3528	11,*11*
469	33.9	−20 53	6.8	7.08	2818,2827	*10*,11
973	34.0	−30 37	5.7	5.78	3875,4306,4308	29,11,*40*
551	34.1	+43 40	7.0	7.25	3168,3223,3574	*05*,15,*10*
497	34.1	− 9 21	7.2	*7.11*		A . .
504	34.2	+58 33	7.0	7.18	3528,3574	06,*06*
522	34.3	−10 15	6.8	6.71	3886,3911	*11*,11
453	34.4	+29 21	7.5	7.45	3178,3182	*15*,15
406	34.4	− 0 6	3.7	3.90	3886,4256,4277,	*03*,13,06,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4283	*18*
875	34.4	−38 25	6.4	6.46	2811,2815,3519	*21*,*01*,21
596	34.5	+55 4	7.3	*7.56*		A . .
463	34.5	+31 53	7.3	7.50	3182,3186	10,*10*
958	34.5	−26 10	7.4	7.39	2827,3166	07,*07*
1072	34.5	−31 1	7.5	7.55	2811,2815,3534	*20*,10,11
462	34.7	+61 56	7.0	7.24	3180,3528	*07*,06
501	34.7	−12 18	4.7	*5.14*		. . A
848	34.7	−28 16	7.3	7.26	2827,3166	02,*02*
548	34.8	+61 10	7.1	6.99	3528,3528,3577,	*06*,00,*03*,
					3589	10
443	34.8	+26 38	5.5	*5.37*		. . A
374	35.0	+5 41	7.0	*6.22*		. 02,*01*
474	35.0	−20 52	7.5	7.38	2818,2827	10,*09*
958	35.0	−26 1	7.6	7.79	2827,3166	07,*07*
514	35.1	+42 10	8.0	8.08	3574,3577	*11*,11
525	35.3	−9 53	6.2	*5.96*		10, . *11*
484	35.3	−16 44	6.9	7.30	3178,3886,3886,	14,*08*,*29*,
					3911,3925	09,13
337	35.5	+18 23	7.0	6.89	3178,3182,3943	*02*,08,*06*
570	35.6	+40 59	7.2	7.87	3182,3182,3219	03,*07*,03
920	35.6	−35 28	7.5	7.51	2811,2815,3519	*02*,*02*,04
508	35.7	+58 26	7.5	7.32	3574,3577	*02*,01
473	35.7	−14 53	6.8	6.58	3886,3911	*01*,02
598	35.8	+54 41	6.0	5.63	3574,4270,4283	*18*,08,11
1081	35.8	−31 4	6.6	6.56	2811,2815,3534	02,12,*13*
616	35.9	+53 6	6.0	6.12	3169,3577,4270	*12*,*02*,13
610	35.9	+39 46	4.9	5.00	3182,3918,4270	00,01,00
377	35.9	+5 39	8.0	7.33	3168,3169	*09*,09
117	36.0	+74 58	7.2	*7.12*		A . .
R	36.0	−43 20	. .	4.17	3195,4306,4308	*06*,18,*12*
433	36.1	+30 31	6.9	*7.21*		A . .
373	36.1	+4 0	7.2	6.88	3164,3167,3943	05,*08*,03
377	36.1	−1 8	6.2	*5.73*		. *03*,03
224	36.2	+67 24	6.6	5.95	3180,3181,4270	02,*17*,14
521	36.2	+42 10	7.2	7.50	3223,3577,3589	10,*07*,*04*
491	36.2	+33 53	7.1	7.05	3182,3186	*05*,05
535	36.3	+59 24	7.3	7.71	3574,3577	*01*,01
683	36.3	+47 51	6.7	6.56	3223,3574,3577	14,*05*,*08*
1020	36.3	−23 23	8.9	9.57	4227,4227,4227,	14,05,*22*,
					4227,4227,4227,	11,*16*,*07*,
					4227,4227	00,15
977	36.3	−31 54	7.4	7.51	2815,2824,3534	*09*,01,09
410	36.4	+0 8	7.3	6.68	3943,3944	*02*,02
353	36.6	+10 8	7.1	*6.67*		A . .
490	36.7	+32 29	7.4	7.60	3182,3186	20,*20*
403	36.7	+19 35	5.8	*5.67*		. . A
689	36.7	−40 17	4.2	4.00	3875,4253,4306	*60*,51,10
421	36.8	−3 39	6.3	6.11	2821,2823,3886	*13*,16,*04*
478	36.8	−14 59	6.3	5.98	3911,4256,4277,	*02*,*19*,*08*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4283	30
477	36.8	−15 32	7.5	7.30	2830,2830,2830,	*04*,06,06,
					3167	*09*
614	37.1	+43 7	6.8	6.66	3223,3574,3577	04,*01*,*03*
360	37.1	+10 19	7.0	*6.27*		*05*,08,*03*
577	37.3	+41 5	7.1	7.46	3219,3570	14,*15*
746	37.4	+48 48	4.2	4.13	3937,4270,4283	*07*,00,06
998	37.4	−30 30	7.5	7.38	2811,2815,3534	*08*,12,*03*
566	37.5	+43 52	5.6	5.59	3577,4270,4283	04,01,*06*
424	37.6	+27 17	5.0	*4.47*		. . A
492	37.6	−16 26	7.5	7.37	2830,3178,3185	*01*,*13*,13
1000	37.6	−30 50	7.7	7.64	2811,2815,3534	14,04,*18*
622	37.8	+46 26	7.2	6.98	3223,3574,3577	12,*03*,*10*
362	37.9	+23 39	7.3	7.77	3219,3570	*10*,10
504	38.0	+34 42	7.3	*7.22*		A . .
472	38.0	+31 57	7.5	7.70	3182,3186	10,*10*
441	38.0	+25 14	6.7	6.18	3918,3944	*09*,09
452	38.0	+20 44	7.2	7.67	3178,3219	*10*,10
422	38.1	+2 49	3.5	3.64	3164,4280,4283,	*21*,43,*27*,
					4286	06
894	38.1	−38 49	6.1	6.17	4253,4306	12,*12*
381	38.2	+12 52	7.5	8.06	3164,3167	*02*,01
506	38.4	−20 43	7.5	7.53	2827,2841	*14*,14
426	38.5	−2 58	6.7	6.64	2821,2823,3886	*06*,13,*07*
870	38.5	−28 35	7.2	6.83	2827,2841,3886	12,11,*23*
455	38.6	+29 3	7.5	7.06	3178,3219,3570	*26*,24,02
426	38.7	+17 21	6.5	*6.47*		. A .
1099	38.8	−31 30	7.3	7.51	2811,2815,3534	*06*,04,01
167	38.9	+71 57	7.5	8.06	3160,3180	09,*09*
457	39.0	+14 53	6.0	*5.80*		09,07,*16*
524	39.0	−6 26	7.0	7.04	2821,2823	01,00
515	39.0	−8 20	6.8	6.64	2821,2823,3886	*12*,16,*03*
619	39.1	+37 40	7.5	8.07	3570,3589,3592	01,*02*,00
985	39.2	−34 31	7.5	7.20	3152,3161,3166	*04*,04,00
516	39.4	−12 54	7.3	7.66	2830,3167	02,*02*
519	39.4	−14 17	4.0	*4.42*		04, . *05*
875	39.4	−28 20	7.0	7.63	2827,2841	15,*15*
939	39.4	−33 29	6.9	6.84	2811,2815,3161,	01,11,*01*,
					3534	*10*
541	39.5	+60 9	6.2	*6.68*		03, . *04*
632	39.5	+57 19	7.2	7.54	3587,3589,3592	10,*12*,02
704	39.5	+55 28	7.5	*8.41*		A . .
567	39.5	+53 39	6.8	7.27	3577,3587,3592	*16*,14,02
377	39.5	+12 1	5.2	5.16	3943,4280,4283,	*30*,29,04,
					4286	*02*
359	39.5	+9 42	4.0	*4.33*		. . A
435	39.8	+4 18	9.0	8.80	3192,3195,3196,	02,09,*31*,
					3519,3542,3544,	*08*,06,06,
					3547,3550,3886,	46,*11*,*04*,
					3901,3901,3905,	05,*03*,*07*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3905,4283,4283,4286,4286,4289,4289,4306,4306	*18*,19,23,30,*01*,*31*,*14*,05,*16*
996	39.8	−25 56	7.2	6.87	2827,3166,3886	19,05,*23*
942	39.8	−33 36	7.5	7.79	2811,2815,3152,3166,3185	03,13,02,*23*,05
179	39.9	+69 13	6.5	6.22	3944,3946	10,*10*
510	39.9	+35 2	7.2	*7.77*		▲ . .
574	40.0	+43 21	7.5	7.72	3574,3577	06,*06*
458	40.1	+20 16	7.3	*7.55*		▲ . .
437	40.1	+ 4 17	7.2	6.08	3218,3219,3221,3886,3901,3901,3905,3905,4283,4283,4289,4289,4306,4306	04,04,*10*,03,*06*,*02*,01,05,*03*,*13*,07,*05*,04,05
943	40.1	−32 57	6.4	6.05	3547,4253,4277	*02*,09,*07*
1033	40.1	−36 44	6.8	7.11	2811,2824,3519	*05*,01,03
145	40.3	+72 30	7.5	7.86	3160,3180	*06*,07
568	40.5	+53 32	6.8	7.44	3577,3587,3592	08,*07*,*02*
498	40.5	−15 50	7.3	7.54	2830,3167	02,*03*
518	40.5	−19 0	4.0	4.48	3914,4256,4277,4283	00,02,*05*,02
474	40.5	−22 36	7.2	7.20	3166,3185	11,*11*
606	40.7	+55 11	7.3	6.88	3937,3944	*05*,06
538	40.7	+41 46	7.5	7.64	3574,3577	08,*08*
493	40.7	−20 50	7.0	7.06	2841,3166	01,00
553	40.8	+35 35	6.8	6.38	3918,3944	15,*14*
521	40.9	+58 25	7.2	7.48	3587,3589,3592	*02*,08,*05*
628	40.9	+42 59	7.5	7.58	3223,3574,3577	12,*02*,*11*
513	40.9	+35 9	6.5	6.40	3918,3944	05,*05*
706	41.0	+55 21	7.5	*7.71*		▲ . .
576	41.0	+43 50	6.5	*6.74*		. ▲ .
634	41.2	+37 24	7.0	7.08	3570,3918	02,*01*
577	41.4	+43 47	7.5	*7.87*		. ▲ .
392	41.6	+22 33	6.5	7.27	3178,3219	*10*,10
579	41.7	+43 13	7.2	7.35	3223,3574,3577	05,*04*,*02*
1099	41.7	−25 46	7.5	7.44	2827,3166	02,*02*
1117	41.7	−30 54	7.3	7.73	2811,2815,3534	05,15,*21*
351	41.8	+64 14	7.2	7.48	3180,3547	19,*18*
471	41.8	+29 17	7.4	7.19	3219,3602	01,*01*
369	41.8	+23 14	6.8	7.32	3178,3219	*05*,05
347	41.8	+18 59	6.8	6.95	3164,3167,3943	09,*08*,00
86	41.9	+79 41	7.0	7.22	3160,3180	03,*02*
477	41.9	−22 5	7.3	7.10	2827,2841	16,*17*
762	42.0	+48 46	7.0	7.40	3574,3577	00,*01*
462	42.0	+28 50	5.2	4.60	3219,4270,4283	00,11,*10*
424	42.0	+ 8 54	7.5	7.66	2831,3164	*02*,03
491	42.1	−15 42	7.5	8.24	2830,3167	02,*03*
120	42.2	+74 20	7.3	7.59	3180,3181	04,*04*
718	42.2	+56 40	6.5	6.53	3587,3589,3592	14,*03*,*10*
479	42.2	−22 4	6.6	6.49	2827,2841,3886,4256,4277,4278,4283	37,14,*24*,*16*,*06*,*07*,00
641	42.5	+46 50	6.8	6.72	3574,3577,3937	*05*,07,*02*
469	42.5	+15 6	7.5	6.70	3943,3944	*05*,06
610	42.7	+55 5	7.5	*7.91*		▲ . .
448	42.7	+30 43	7.2	7.09	3186,3918	01,*01*
1061	42.7	−22 55	6.5	6.49	3185,4256,4277,4278	00,*18*,18,00
146	42.8	+72 52	7.5	7.29	3180,3181	04,*04*
442	42.9	+17 52	6.0	*6.01*		. . ▲
200	43.0	+68 28	6.5	6.23	3180,3181,4270	04,*25*,21
508	43.0	+32 26	7.5	7.90	3918,3950	*03*,03
396	43.0	+24 47	6.0	*5.82*		09, . *09*
1043	43.0	−37 46	7.5	7.95	3152,3152,3161,3166,3185,3519	04,*06*,*07*,22,*12*,00
566	43.2	+36 54	6.5	6.45	3193,3602,3918	*05*,06,*02*
470	43.2	− 4 8	7.8	6.71	2821,2823,3886	*16*,13,02
521	43.3	+33 31	7.1	7.15	3918,3950,4270	02,*34*,32
552	43.4	+60 1	6.9	*7.11*		▲ . .
714	43.4	+55 29	3.5	*3.93*		. . ▲
636	43.5	+51 52	7.5	7.38	3577,3587,3589	*15*,13,02
550	43.5	− 6 9	7.2	7.14	2829,3167	*10*,10
1050	43.5	−35 58	6.7	6.50	2811,2824,3519	*16*,10,05
300	43.7	+65 13	7.0	*7.10*		▲ . .
355	43.7	+17 3	5.7	5.16	3167,4283,4286	*09*,07,03
711	43.9	+47 53	7.1	7.76	3195,3574	24,*25*
476	44.0	− 4 39	7.0	7.14	2821,2823	*09*,10
1128	44.0	−31 51	7.3	7.10	2811,2824,3534	*08*,10,*01*
481	44.1	+30 6	7.1	6.66	3918,3950	*02*,02
471	44.1	+26 51	3.7	*3.58*		. . ▲
1050	44.1	−37 24	7.7	7.29	3931,3943,4277	*16*,13,03
651	44.2	+57 53	6.2	6.27	3577,3587,3592	*19*,01,17
646	44.2	+37 55	4.8	4.24	3193,3592,4270	*10*,10,*01*
109	44.3	+76 8	7.5	*7.67*		▲ . .
479	44.3	+63 0	6.7	6.94	3180,3181,3944	*07*,*06*,12
569	44.4	+36 32	6.5	6.63	3193,3592,3918	*13*,11,01
490	44.4	+31 33	6.5	6.64	3602,3918,4270	06,06,*12*
1016	44.4	−34 12	6.8	6.83	2811,2824,3534	06,03,*10*
469	44.5	+ 0 30	7.3	*7.08*		▲ . .
637	44.6	+52 36	7.0	7.02	3577,3587,3589	11,*09*,*02*
524	44.6	+34 59	7.0	6.76	3918,3950	06,*07*
1053	44.6	−37 49	6.7	6.59	2811,2824,3519	*03*,12,*09*
354	44.7	+64 15	7.4	7.68	3180,3181	*01*,00
1025	44.9	−32 50	4.5	4.54	3149,3161,3169,3547,3574	*08*,*18*,04,24,*03*
648	45.0	+46 25	6.0	6.08	3195,3574,3577	32,*06*,*25*
359	45.0	+18 44	7.2	6.59	3164,3167,3943	05,08,*12*
593	45.2	+44 28	6.8	6.56	3937,3944	*08*,09
541	45.2	−14 16	7.5	8.02	3534,3542	*04*,05

2^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1183	45.2	−31 14	7.7	7.57	2811,2837,3544	*12*,*02*,15
149	45.3	+72 59	6.5	6.82	3180,3181,3944	11,03,*14*
528	45.3	− 5 24	7.2	7.14	2821,2823	01,00
527	45.4	+34 39	4.2	4.75	3186,4270,4283	*05*,*04*,08
505	45.4	− 7 13	7.5	7.44	2821,2823	*09*,10
1120	45.4	−24 59	6.4	6.29	2827,4256,4277	29,*31*,03
903	45.6	−28 22	5.6	*5.40*		. *01*,00
640	45.8	+52 35	7.0	6.42	3577,3587,3589	*01*,*05*,06
783	45.8	+48 24	7.2	7.30	3195,3574	30,*29*
556	45.9	+41 36	7.2	7.25	3195,3223	15,*15*
582	45.9	+36 40	7.0	7.08	3592,3602	14,*14*
1058	45.9	−37 29	8.4	8.42	3519,3886,3925,3934,3934,3944,4256,4278,4283,4286	08, R, R, *24*,*31*,11, *19*, T,26,29
480	46.0	+14 40	6.0	5.45	3943,4283,4286,4286	*18*,18,06,*02*
152	46.2	+72 29	8.2	7.66	3182,3185,3188,3192,3542,3550,3559,3886,3895,3895,3901,3901	27,*01*,*01*,29,*01*,*01*,00,*19*,*24*,04,*22*,08
503	46.2	+ 1 46	7.5	7.12	2831,3164	*01*,01
1067	46.2	−36 16	6.1	5.92	3161,3169,3528,3547,3574,4253	*26*,*34*,19,03,13,25
1086	46.3	−23 27	7.3	7.42	2841,3544	18,*19*
723	46.5	+48 9	6.7	6.51	3195,3574,3987,3944,3946	39,*26*,*05*,09,*17*
509	46.5	−21 25	5.0	*4.89*		. *01*,01
1070	46.6	−36 5	5.4	5.63	3161,3169,3519,3528,3547,3574,4253	*24*,09,*06*,*13*,06,*01*,32
367	47.0	+63 43	7.0	7.78	3180,3181	09,*10*
736	47.0	−40 21	6.5	6.25	3166,3519,3528,3547,4253	*06*,05,*17*,*14*,33
641	47.2	+52 21	4.2	4.14	3577,3587,3589,3937	*11*,*02*,19,*04*
554	47.2	−17 40	7.3	8.06	2830,3167	07,*08*
1072	47.2	−30 51	7.3	7.53	2824,3544,3574	02,*05*,04
101	47.3	+76 40	6.8	7.01	3180,3181,3944	02,*06*,03
652	47.3	+46 44	7.0	6.73	3195,3559,3987	27,*17*,*10*
654	47.4	+50 45	6.5	6.54	3937,3944	*12*,12
655	47.4	+37 56	6.0	5.43	3196,3221,4270	*13*,07,07
497	47.4	+31 14	7.0	6.53	3196,3221,3918	*03*,07,*03*
306	47.5	+65 24	7.0	*7.55*		A . .
522	47.6	+32 30	7.5	8.05	3196,3221	*05*,05
400	47.6	+16 5	6.5	6.37	3943,3950	*05*,05
732	47.7	+47 44	7.3	7.56	3195,3574	14,*14*
646	47.7	+42 11	6.8	7.01	3195,3223,4270	09,*11*,03
544	47.7	−13 11	5.8	6.18	3905,3905,3911,3911,3914,3914,3918,3918,4314,4314	*09*,14,*11*,00,02,*04*,03,10,*03*,*01*
1148	47.7	−31 14	6.4	6.34	2811,2824,2837,3544	*09*,08,01,*02*
569	47.9	− 9 51	6.5	6.10	3911,3914	18,*19*
591	48.0	+61 7	5.9	5.64	3144,3145,3149,3160,3161,3162,3164,3178,3180,3188,3192,3196,3198,3214,3218,3223,3504,3528,3547,3555,3570,3574,3587,3600,3601,3602,3875,3875,3886,3899,3901,3911,3920,3932,3946,3950,3955,3965,4236,4252,4253,4270,4277,4287,4289,4291,4306,4314	*07*,03,10,11,14,03,*08*,03,*27*,03,03,14,*07*,02,03,*07*,*03*,20,11,13,*09*,*21*,24,*05*,14,36,*16*,*05*,06,01,*24*,02,*03*,*06*,*04*,*02*,*19*,15,*11*,*06*,02,*08*,04,*10*,*14*,*01*,*17*,18
369	48.1	+63 55	6.5	6.57	3180,3181,3944	*10*,11,*02*
480	48.1	+26 21	7.3	7.85	3178,3196	*05*,05
557	48.1	−17 1	7.0	8.00	2830,3167	13,*12*
536	48.2	− 5 40	7.3	7.34	2821,2823	*09*,10
921	48.2	−28 22	7.3	7.28	2827,2841	10,*10*
153	48.4	+72 16	7.0	7.92	3180,3181,3181,3182,3182,3185,3188,3192,3542,3550,3559,3886,3895,3895,3901,3901	11,03,03,11,01,03,*17*,13,06,02,*03*,*18*,*15*,04,00,*04*
492	48.4	+62 12	7.0	7.48	3180,3181	*11*,10
443	48.4	+ 8 56	6.8	*6.82*		. A .
509	48.5	+ 1 35	7.0	6.69	2831,3164,3943	*18*,04,14
544	48.5	− 9 16	7.8	7.96	2821,2823	*04*,04
432	48.6	+20 9	6.8	*7.05*		A . .
491	48.7	− 4 39	7.5	7.80	2821,2823	*15*,14
543	48.7	− 8 9	7.0	7.21	2821,2823	*09*,09
737	48.8	+47 56	7.0	7.20	3195,3574	20,*20*
656	48.8	+46 53	7.5	7.45	3195,3198	*05*,05
502	48.8	−22 30	7.2	6.74	2827,2841,3911	10,*14*,05
1079	48.8	−37 16	7.5	7.88	3161,3519,4277,4278,4283	*44*,12,*10*,29,13
433	49.1	+19 57	7.0	*7.30*		A . .
443	49.1	+ 7 16	7.7	*7.38*		. A .
503	49.1	−22 47	6.3	6.06	2827,2841,3914	28,*06*,*22*
992	49.1	−35 27	7.9	8.00	2824,2837,3519	*14*,*05*,19
454	49.3	+17 20	7.0	6.89	3168,3542,3943	*02*,*03*,06
546	49.3	−10 51	6.8	6.92	2830,3167,3911	*01*,*14*,16

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
455	49.4	+27 19	7.2	6.72	3178,3196,3918	*22*,18,03
570	49.5	+41 23	7.0	7.95	3195,3223	15,*15*
541	49.6	− 5 44	7.0	7.30	2821,2823	*15*,14
370	49.7	+64 1	6.5	6.92	3180,3181,3944	05,*04*,00
464	49.7	+30 38	7.0	7.48	3602,3950	*02*,01
484	49.7	+26 28	7.7	7.45	3178,3196	*05*,05
450	49.7	− 0 28	6.5	6.57	3914,3925	*12*,12
948	49.7	−38 51	6.0	5.80	2811,3161,3169, 3192,3198,3519, 3528,3544,3905	*10*,*10*,00, 25,25,*02*, 00,*01*,*25*
496	49.8	+62 53	7.5	7.78	3180,3181	*01*,00
665	49.8	+50 51	6.5	6.48	3944,3946	08,*09*
658	49.8	+46 45	6.0	6.40	3195,3198,3559	20,10,*31*
450	49.9	+ 3 5	7.5	6.73	2831,3164,3943	*12*,20,*09*
803	50.1	+48 18	7.3	7.75	3195,3198	05,*05*
457	50.2	+17 55	6.0	6.01	3542,3550,3602, 3901,3901,3905, 3905,3914,3914, 3943	*05*,*13*,*20*, *17*,*08*,20, 18,13,05, 11
492	50.2	+14 18	7.0	7.70	3164,3167	*06*,07
557	50.2	−14 26	6.8	*7.16*		▲ . .
477	50.3	+28 45	6.8	*6.52*		. . ▲
512	50.4	+ 1 37	7.8	6.55	3164,3167,3943	08,15,*22*
531	50.4	−16 27	7.5	8.34	2830,3167	12,*13*
1096	50.4	−30 15	7.5	7.76	2824,2837,3544	12,*05*,*07*
1162	50.5	−31 18	6.9	6.85	2824,2837,3544	07,*10*,04
1048	50.7	−38 56	6.7	6.83	2811,2824,3544	09,*04*,*05*
458	50.8	+17 37	6.5	5.65	3943,4283,4286	*17*,10,07
420	50.8	+ 5 47	7.5	*7.51*		. ▲ .
450	50.9	+ 7 59	6.8	*6.10*		. 09,*08*
1071	51.0	−26 21	7.6	7.49	2827,2841	*06*,06
1160	51.1	−25 43	6.9	6.77	2827,2841,3914	19,02,*21*
1072	51.1	−26 33	8.1	8.34	2827,2841	09,*09*
509	51.2	+31 32	4.8	*5.15*		. . ▲
546	51.2	−20 10	7.5	7.78	2841,4256,4277	09,*07*,*03*
553	51.5	− 9 18	3.7	*4.12*		12, . *12*
502	51.6	− 4 7	5.3	*5.26*		12, . *13*
540	51.7	+59 11	7.2	7.85	3188,3223	*05*,05
599	51.7	+38 13	6.8	6.12	3182,4270,4283	08,*16*,09
410	51.8	+ 4 5	6.8	6.31	2831,3164,3943	20,*08*,*11*
519	51.8	−15 25	7.2	7.68	2830,3167	08,*07*
1074	51.8	−26 36	7.6	7.34	2827,2841	19,*19*
608	51.9	+60 53	7.2	7.00	3223,3559,3944	17,*21*,04
414	51.9	+15 53	7.3	6.88	3164,3542,3562	*04*,09,*05*
460	52.0	+ 0 3	7.5	6.70	2831,3542,3943, 3950	11,05,01, *17*
853	52.0	−39 3	7.0	6.90	3519,3534,3542, 3914,3914,3918, 3918,3921,3921, 4256,4256,4259, 4259,4286,4286	12,00,*08*, 38,23,*21*, *15*,03,13, *28*,03,13, *17*,*11*,02
419	52.1	− 0 59	7.5	7.08	2821,2823	10,*11*
672	52.2	+57 16	7.1	7.46	3223,3559	24,*23*
667	52.2	+42 57	6.5	6.87	3195,3198,3944	03,*07*,03
512	52.2	+32 5	6.6	6.74	3182,3196,3918	06,06,*13*
480	52.3	+20 16	6.0	*5.84*		06, . *06*
461	52.3	+17 25	7.3	7.16	3164,3168	*02*,01
681	52.4	+39 16	5.1	*4.50*		. . ▲
103	52.8	+79 1	5.6	*5.67*		. . ▲
392	52.8	+23 45	6.8	7.62	3196,3219	*05*,05
1168	52.8	−25 23	8.3	7.12	2827,2841,3166	*04*,00,03
1169	52.8	−25 22	8.2			
1015	52.8	−35 47	6.7	6.60	2824,2837,3534	03,02,*05*
1099	52.8	−37 6	7.2	7.37	2811,2824,3519, 4256	*04*,22,08, *21*
550	52.9	+34 47	5.4	*4.90*		. . ▲
1336	52.9	−24 16	5.7	5.36	3166,4256,4277, 4278	02,*11*,06, 01
1107	52.9	−36 42	7.7	7.48	2811,2824,3519	*09*,17,*09*
1122	53.0	−30 16	6.8	6.33	2824,2824,3574	15,*05*,*09*
582	53.1	+59 17	7.0	7.35	3188,3223	*05*,05
669	53.1	+46 49	5.8	*5.62*		. *05*,06
639	53.2	+40 38	6.5	*6.07*		10, . *10*
397	53.2	+21 13	7.0	6.68	3196,3219,3918	*01*,*11*,13
1112	53.2	−36 50	7.4	7.43	2811,2824,3519	*07*,09,*02*
484	53.3	+13 12	7.5	7.36	3164,3168	08,*09*
131	53.4	+74 45	7.2	7.06	3944,3946	15,*14*
517	53.4	+ 1 43	7.5	7.58	2831,3164,3168	*17*,15,03
566	53.4	−12 24	6.6	6.70	2830,3167,3914	11,08,*20*
484	53.5	+20 56	4.2	4.65	3196,3219,4270	02,*08*,07
676	53.6	+42 45	7.5	7.60	3195,3198	00,00
1343	53.6	−24 1	6.2	*6.02*		. 14,*14*
665	53.7	+51 57	5.7	*5.20*		. . ▲
750	53.7	+47 41	7.2	7.70	3195,3198	00,00
470	53.7	− 3 11	5.5	*5.14*		. . ▲
976	53.7	−38 36	6.2	6.21	3192,3198,3519, 3528,3905,3955	37,*13*,*14*, *02*,*10*,02
752	53.8	+47 30	7.5	7.64	3198,3944	*14*,14
675	53.8	+37 45	7.0	*5.93*		. . ▲
585	53.9	−10 11	6.5	6.21	3914,3925	*18*,18
554	54.1	− 5 10	7.3	7.82	2829,2842	02,*02*
477	54.2	+30 48	7.5	7.40	3182,3196	00,00
455	54.4	+ 8 31	4.8	*4.73*		. 02,*02*
687	54.5	+40 2	7.3	*7.82*		▲ . .
771	54.5	−40 42	2.6	2.89	3192,3198,3519, 3528,3534,3905, 3914,3955,4252	21,*22*,*10*, *04*,*08*,*03*, 32,*07*,04
475	54.7	− 2 52	6.2	5.46	2821,2829,3925, 4277	*08*,*09*,05, 14
533	54.7	− 7 35	6.7	6.63	2821,2829,3914	*01*,18,*18*

2^h — 3^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
986	54.7	−38 24	7.3	7.57	2810,2824,3519	04,*14*,09
165	54.8	+73 33	7.4	7.49	3180,3181	14,*14*
644	54.8	+40 25	7.5	*7.27*		A . .
416	54.8	+22 26	7.0	7.37	3196,3219	*10*,10
1106	54.8	−29 18	6.3	*6.22*		. 07,*08*
471	54.9	+17 36	6.8	*6.94*		. A .
1071	54.9	−34 35	6.8	6.91	2810,2824,3534	02,13,*16*
607	55.0	+35 45	7.0	7.50	3182,3196	*10*,10
606	55.1	+53 58	7.3	7.36	3223,3559	24,*24*
576	55.2	−14 5	6.9	*7.42*		A . .
1191	55.2	−25 41	5.9	*5.66*		. 02,*03*
401	55.3	+10 29	7.0	*6.20*		00, . 01
526	55.4	+32 1	6.5	6.71	3182,3196,3918	*01*,*01*,01
502	55.4	+14 38	7.5	7.26	3164,3168	*02*,01
617	55.5	+38 31	6.8	6.62	3182,3196,3918	*02*,*02*,03
1042	55.5	−32 54	6.2	6.25	3152,3155,3160, 3905,3955,4252, 4314	*19*,04,*02*, 01,08,02, 07
576	55.6	−11 51	7.5	7.40	2830,3167	11,*12*
533	55.6	−21 13	7.3	7.86	2841,3166	01,00
513	55.9	+61 21	6.7	6.67	3180,3181,3944	00,01,*02*
478	55.9	− 3 17	6.8	6.34	2821,2829,3914	14,*07*,*06*
588	56.0	+59 55	6.8	*7.16*		A . .
678	56.0	+46 42	7.0	6.80	3195,3198,3944	20,00,*20*
477	56.0	+26 4	5.8	5.88	3218,4270,4283	*08*,*08*,15
97	56.2	+81 5	5.5	*5.94*		*04*, . 04
124	56.2	+75 25	7.4	*7.42*		A . .
366	56.2	+64 45	7.4	*7.27*		A . .
562	56.2	− 8 3	6.0	5.94	4256,4277	*11*,11
535	56.3	−21 5	7.3	7.52	2841,3166	05,*06*
503	56.4	+26 14	7.2	6.64	3218,4270,4283	16,*13*,*03*
982	56.5	−28 2	7.5	7.61	2841,3166	*03*,03
485	56.7	+ 4 57	7.0	6.30	3943,3950	11,*10*
587	56.7	−17 37	7.5	8.10	2830,3167	13,*12*
1146	56.7	−30 45	7.3	7.46	2810,2815,3534	*06*,02,03
1049	56.9	−33 30	6.9	7.26	2810,2815,3534	03,09,*12*
512	57.1	+62 38	7.5	7.42	3180,3181	*05*,06
760	57.1	+47 28	7.0	6.62	3195,3198,3944	*12*,08,03
692	57.1	+38 1	7.0	7.01	3182,3196,3918	*01*,*01*,03
420	57.1	+ 3 58	7.3	5.72	3168,4283,4286	*21*,15,06
419	57.1	+ 3 42	2.5	*2.88*		. 05,*04*
594	57.1	−10 21	6.0	*6.02*		09, . *10*
537	57.2	− 6 53	6.3	6.26	2821,2829,3914	*11*,18,*06*
986	57.2	−28 50	7.5	7.78	2841,3166	16,*17*
616	57.3	+36 3	7.1	7.80	3182,3196	00,00
987	57.3	−28 28	6.0	5.98	2841,4256,4277, 4278	20,*21*,*08*, 07
516	57.5	−18 36	7.0	7.40	3167,3168	*05*,06
654	57.6	+53 7	3.2	3.10	3192,4270,4283	*10*,*06*,16
468	57.6	+27 53	6.5	6.34	3218,3219,3918	06,06,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
425	57.7	+22 40	7.2	7.12	3218,3219	*05*,05
696	57.8	+37 43	7.0	6.91	3182,3219,3918	09,*01*,*07*
568	57.8	− 8 5	6.0	5.49	3914	A
767	58.0	+56 19	5.0	5.11	3188,3920,4270	09,03,*13*
699	58.0	+39 54	6.8	*7.32*		A . .
538	58.0	− 2 29	7.3	7.48	2821,2829	*10*,09
1387	58.0	−24 1	4.1	*4.12*		. 00,00
738	58.2	+55 41	6.3	6.39	3920,3944	*03*,03
443	58.2	+ 5 51	7.2	6.62	2831,3164,3943	12,*03*,*09*
663	58.8	+40 44	7.3	7.15	3182,3219	05,*05*
579	58.8	−11 22	7.5	7.18	3167,3168	*10*,10
390	58.9	+63 41	6.0	5.85	3144,3152,3160, 3161,3164,3166, 3180,3188,3214, 3218,3219,3230, 3528,3555,3562, 3570,3574,3577, 3587,3589,3592, 3602,3875,3875, 3886,3901,3911, 3914,3920,3932, 3950,3955,3957, 3965,4236,4252, 4270,4277,4287, 4289,4291,4306, 4327	02,13,00, 13,*29*,02, 12,*08*,21, *08*,*18*,*18*, 07,*26*,*21*, *22*,02,*01*, 08,*04*,01, 19,15,*08*, *14*,*14*,12, *12*,18,14, 22,18,21, 12,*02*,05, 07,11,*27*, *35*,18,13, 13
664	58.9	+40 12	6.5	6.10	3918,3950	07,*08*
627	59.0	+44 1	7.5	7.65	3195,3198	*05*,05
430	59.1	+15 29	6.5	6.49	3943,3950	13,*13*
568	59.1	− 5 38	7.0	7.44	2821,2829	*19*,20
628	59.2	+43 19	7.0	7.30	3195,3198	*10*,10
549	59.2	−21 45	7.5	7.64	2841,3166	*01*,00
628	59.3	+36 24	6.5	7.05	3182,3221	*05*,05
534	59.3	+31 42	7.5	8.15	3182,3221	*05*,05
572	59.3	− 7 59	6.0	*5.42*		. . A
496	59.4	+13 25	7.5	7.54	3155,4283,4286	02,04,*05*
534	59.5	+ 1 30	6.5	6.05	2831,3164,3943	06,*22*,16
536	59.6	+31 39	7.5	8.00	3182,3221	00,00
431	59.6	+24 52	6.0	5.40	3219,4270	*10*,10
574	59.8	+33 37	7.5	7.75	3182,3221	05,*05*
501	59.8	+20 31	7.5	*7.85*		A . .
431	59.9	+22 43	7.5	7.72	3218,3219	15,*15*
577	0.3	+33 44	7.3	7.85	3182,3221	*05*,05
577	0.3	− 8 40	6.9	6.57	2821,2829,2842	*05*,04,01
503	0.4	+13 19	8.6	8.63	4259,4259,4291, 4291,4314,4314	01,10,*01*, *11*,02,01
1132	0.4	−26 10	7.4	7.57	3196,3534	04,*04*
525	0.7	+62 0	6.5	6.54	3180,3181,3555, 3559,3899,3924, 3932,3944	*27*,34,11, 07,*26*,*19*, 10,07

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
600	0.7	−19	27	7.3	7.62	2830,2848,2849	08,*03*,*06*
778	0.8	+56	38	7.0	6.78	3188,3192,3920	12,02,*14*
522	0.8	+30	9	7.5	*7.11*		A . .
434	0.8	+11	17	7.5	7.32	3164,3168	07,*08*
109	0.9	+77	49	7.0	7.84	3180,3181	*01*,01
395	0.9	+63	55	7.0	6.90	3180,3181,3186,3555	07,*02*,08,*11*
681	0.9	+51	50	6.8	6.17	3188,3192,3920	03,*07*,03
436	0.9	+12	48	5.2	*5.80*		. *10*,11
597	0.9	−16	59	6.8	7.32	2830,2848	01,*01*
168	1.0	+74	1	5.2	4.96	3181,3186,3899	19,10,*30*
692	1.0	+46	55	6.4	6.40	3195,3198,3920	*10*,20,*10*
696	1.1	+57	58	7.3	7.35	3188,3192	*05*,05
632	1.3	+36	15	7.0	7.65	3182,3221	*05*,05
493	1.3	+28	45	7.5	7.60	3218,3219	*10*,10
706	1.4	+50	47	7.0	6.97	3188,3192,3920	13,*17*,05
94	1.6	+79	47	7.3	*6.98*		A . .
606	1.6	− 6	28	5.3	*5.51*		. . A
610	1.7	−10	38	7.0	6.79	2830,2842,3905	12,*03*,*09*
857	1.8	+49	14	4.3	*4.20*		. . A
493	1.8	+17	30	6.7	5.97	3178	A
1152	2.0	−37	43	7.5	7.30	2810,2815,3519	*12*,*04*,17
554	2.2	− 2	11	6.8	7.10	3534,3542	*29*,30
397	2.4	+ 9	33	7.5	7.72	2831,3164,3168	*08*,*13*,22
1185	2.4	−30	22	7.1	7.26	2810,2815,3534	16,*06*,*09*
170	2.5	+73	56	7.1	7.46	3181,3186	*21*,20
375	2.5	+64	31	7.0	6.52	3180,3186,3899,3924	*15*,*04*,39,*20*
398	2.5	+63	25	7.0	7.38	3180,3186	*11*,10
414	2.6	+18	26	6.5	*6.48*		. A .
604	2.6	−14	8	6.5	*7.16*		A . .
230	2.7	+71	11	7.2	7.68	3181,3186	*10*,10
631	2.7	+44	29	4.5	3.98	3198,3899,4270	02,*05*,03
418	3.0	+10	25	7.3	*7.42*		A . .
640	3.1	+36	55	6.9	7.10	3182,3221	00,00
478	3.3	+ 8	5	6.6	6.43	2831,4288	*19*,19
171	3.5	+73	51	7.0	7.20	3181,3186	*05*,06
636	3.5	+60	15	7.0	*7.26*		A . .
716	3.5	+45	38	7.5	*7.52*		A . .
1028	3.5	−28	12	6.2	*6.10*		. *01*,02
499	3.6	+28	42	6.0	5.68	3218,3219,3921,4270	*08*,12,*18*,13
514	3.6	+20	28	6.9	6.66	3918,3921	*07*,08
445	3.6	+12	29	6.8	7.06	3164,3168	*17*,18
663	3.7	+52	47	7.0	7.50	3188,3192	10,*10*
1195	3.7	−30	42	7.3	7.21	2810,2815,3534	19,*13*,*06*
418	3.8	+19	0	7.0	6.97	3164,3168,3925	*23*,20,02
111	4.0	+78	8	7.5	7.80	3181,3186	05,*04*
109	4.2	+78	30	7.0	7.10	3181,3186,4270	05,*04*
480	4.2	+27	27	6.5	6.38	3218,3219,3918	22,*08*,*15*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
172	4.4	+73	30	6.8	6.80	3181,3186,3899,3924	05,26,*25*,*06*
617	4.4	−19	20	7.3	7.05	2830,2842,2849	05,03,*09*
689	4.5	+51	49	7.3	6.71	3188,3192,3899,3920,3944	09,*11*,*22*,03,23
634	4.5	+44	39	7.5	7.50	3195,3198	00,00
1278	4.5	−25	16	7.3	7.40	2818,2841,2841	*13*,22,*08*
250	4.6	+68	10	7.5	7.72	3180,3186	05,*04*
516	4.6	+26	31	6.0	6.23	3221,3600,4270	07,*12*,04
553	4.7	+31	51	7.0	7.38	3221,3918	12,*11*
724	4.8	+39	14	5.2	*4.90*		. . A
1092	4.8	−35	48	7.0	7.07	2815,2824,3519	*01*,06,*04*
719	4.9	+37	40	7.5	7.48	3221,3600	22,*23*
1103	5.0	−27	6	7.5	7.46	2818,2841	*17*,16
722	5.1	+45	45	7.0	6.84	3198.3559,3899,3920,4270,4283,4286	16,02,*46*,14,10,*01*,04
445	5.2	+11	30	6.5	5.88	3563,3931,4283	*17*,*01*,18
592	5.2	−19	51	7.5	7.84	2830,2842	06,*06*
724	5.3	+46	1	7.3	7.10	3198,3559	10,*09*
722	5.3	+37	13	6.6	7.31	3600,3918	*15*,15
408	5.4	+ 9	38	7.0	7.17	2831,3168,3178	07,*03*,*03*
1262	5.4	−31	38	7.7	7.93	2815,2824,3534	02,09,*10*
779	5.5	+47	22	6.9	6.42	3198,3559,3899,3920	08,*16*,*22*,29
631	5.5	+42	1	6.5	6.00	3195,3198,3899,3920,4270,4283,4286	20,10,*42*,07,07,*15*,15
498	5.5	− 0	10	7.3	7.30	2848,3167,3192	*08*,*13*,20
561	5.7	+ 1	56	7.5	6.85	2831,3168,3562,3563,3592,3886,3895,3895,3901,3901,3931,4259,4259,4283,4289,4289	*64*,16,*17*,15,*01*,07,*11*,06 *15*,*08*,15,29,19,16,*10*,05
650	5.8	+36	49	6.7	7.43	3221,3918	*03*,03
477	5.9	+19	21	4.2	4.46	3925,4283,4286	*26*,*03*,28
452	5.9	+12	40	6.3	6.62	3178,4288	22,*21*
603	6.1	−11	30	7.3	7.24	2830,2842	*03*,02
596	6.1	−20	30	7.2	7.58	2818,2841	*20*,19
609	6.2	+59	11	7.4	7.09	3192,3559	11,*11*
1480	6.2	−24	7	6.6	6.43	2818,2846,3914	07,*11*,05
523	6.3	+26	53	6.2	5.70	3592,3602,4270	05,*01*,*04*
446	6.3	+15	45	7.5	7.57	3168,3178	10,*10*
540	6.3	− 4	11	6.4	6.35	2842,4277,4283	*15*,05,09
782	6.4	+47	50	6.5	5.96	3198,3559,3899,3920	14,*02*,*08*,*02*
604	6.4	−13	38	6.3	6.51	2830,2848,4277	*13*,14,*01*
107	6.5	+81	48	7.4	*7.26*		A . .
587	6.7	−16	24	6.3	6.34	2830,2848,3905	02,09,*10*

3^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
876	6.8	+49 12	7.4	7.06	3198,3559	04,*04*
447	6.8	+16 7	7.0	7.32	3168,3178	05,*05*
1296	6.8	−25 13	8.0	7.88	2818,2846	19,*19*
503	6.9	− 0 16	8.0	7.21	2842,3188,3192	01,*01*,*01*
929	6.9	−39 26	7.0	6.97	2815,2837,3519	13,*09*,*03*
505	7.1	+30 42	7.2	7.30	3918,3921	*02*,03
496	7.1	+ 6 18	6.4	5.69	2831,3168,4283	*05*,*05*,09
657	7.2	+43 29	7.3	7.30	3195,3198	10,*10*
335	7.5	+66 0	7.0	6.65	3180,3186,3924	02,13,*14*
115	7.6	+77 22	6.2	*5.54*		. . A
737	7.6	+39 44	7.5	*7.07*		A . .
1174	7.6	−29 32	7.5	6.92	2818,2841,2846, 3534,3562	*11*,29,*22*, 05,*03*
457	7.7	− 1 34	5.3	*5.14*		. . A
576	7.7	−20 59	7.0	6.90	2818,2841,4256, 4277	*12*,17,*03*, *02*
1177	7.8	−29 23	3.6	*4.00*		. 05,*05*
870	7.9	+48 19	7.5	7.90	3198,3559	00,01
935	8.0	−39 24	7.2	6.93	2815,2837,3519	*01*,*12*,12
82	8.1	+83 11	7.5	*7.46*		A . .
936	8.1	−39 44	7.0	6.96	2815,2837,3519	18,*14*,*04*
798	8.2	+56 45	6.0	5.87	3192,3899,4286	23,*19*,*03*
432	8.2	+18 36	7.0	6.71	3168,3178,3925	*04*,*04*,09
59	8.4	+84 34	6.0	*5.71*		*03*, . 03
638	8.4	+42 8	6.8	6.16	3198,3559,3920	04,*14*,09
602	8.4	−20 24	6.5	6.87	3914,3925	*07*,07
1194	8.4	−32 46	7.0	7.05	2815,2837,3534	12,01,*12*
457	8.5	+22 35	6.8	6.90	3592,3602,3918	*07*,*02*,08
1282	8.5	−31 30	7.0	7.24	2815,2824,3534	11,*12*,00
144	8.6	+74 52	7.4	*7.47*		A . .
450	8.6	+15 12	7.3	*7.34*		A . .
725	8.7	+50 35	6.7	6.78	3920,3932	01,*01*
338	8.8	+65 17	6.5	6.35	3924,3932	*02*,02
664	8.8	+36 53	7.0	7.76	3221,3918	04,*03*
653	8.9	+36 6	7.0	7.60	3918,3921	10,*11*
625	8.9	−14 1	7.5	7.56	2830,2842	02,*02*
R	8.9	−44 47	. .	5.90	3152,3901,3955, 4306,4314	00, R,*16*, 05,12
625	9.0	+59 41	7.1	*7.51*		A . .
729	9.0	+50 35	6.0	5.31	3920,3932,4286	02,*02*,*01*
569	9.0	− 7 2	7.2	7.80	2821,2823	*15*,14
1067	9.1	−27 57	6.8	7.02	2818,2841	*06*,06
1208	9.1	−36 19	6.1	6.16	3155,3160,3196, 3519,3534,3562, 3895,3901,3905, 3920,3950,3955, 4252,4277,4278, 4283,4314	27,*42*,*06*, 29,*04*,25, *30*, R,18, 15,09,*11*, 01,*15*,03, *05*,*21*
512	9.2	+30 11	5.8	5.42	3221,3922,4270	*12*,06,06
527	9.2	+20 40	4.5	4.83	3221,4270,4286	*26*,16,11
648	9.3	+44 58	6.8	6.37	3932,3944	*07*,07
739	9.3	+38 8	7.5	7.88	3918,3921	03,*02*
666	9.4	+36 19	7.5	8.50	3918,3921	21,*22*
1238	9.4	−30 10	6.4	6.40	2837,2841,3563	11,*03*,*09*
591	9.6	+32 29	6.5	6.34	3918,3921,3922	06,04,*11*
581	9.6	− 2 42	7.2	7.42	2821,2823	*04*,05
642	9.7	−10 4	7.5	7.64	2842,2848	04,*05*
610	9.8	+34 19	6.5	6.32	3918,3921	*08*,09
611	9.8	+34 40	7.5	7.52	3918,3921	16,*16*
574	9.8	− 7 5	7.3	7.20	2821,2823	*15*,14
950	10.0	−39 10	6.8	6.72	2815,2837,3519	13,*18*,05
627	10.1	−14 49	7.5	7.77	2830,2848	*18*,18
179	10.3	+73 20	7.4	7.10	3181,3186	*05*,06
629	10.4	−14 12	7.2	7.46	2830,2842	*18*,18
205	10.5	+69 22	6.5	6.63	3924,3932	08,*08*
576	10.5	+31 49	6.5	6.05	3918,3921,4270	17,*17*,01
743	10.6	+40 7	6.8	6.40	3921,3922	*14*,14
622	10.7	− 9 8	7.0	6.76	2821,2823,3905, 4277	*14*,14,05, *07*
605	10.7	−20 23	6.7	6.85	3914,3925	04,*04*
1210	10.7	−26 28	6.3	*6.18*		. 01,00
722	10.8	+46 34	7.3	7.44	3198,3559	*04*,04
1218	10.8	−35 55	6.7	6.93	3155,3160,3196	17,*19*,03
674	11.0	+43 39	6.0	5.40	3195,4286,4287, 4289	10,*03*,*05*, *04*
660	11.0	+36 0	7.0	7.84	3918,3921	*10*,09
636	11.0	− 6 17	6.0	6.08	2842,4277,4283	02,*14*,13
624	11.0	− 9 11	5.0	4.85	2823,2846,4277	05,*04*,*01*
569	11.0	−18 33	7.0	7.30	2848,3905	*11*,11
1075	11.0	−28 43	7.5	7.83	2841,3914	01,*01*
465	11.1	+22 45	7.3	7.46	3592,3602	*06*,07
340	11.2	+65 17	4.5	4.81	3152,3155,3160, 3161,3166,3167, 3178,3180,3181, 3185,3188,3193, 3219.3221,3230, 3236,3519,3528, 3562,3577,3587, 3589,3592,3600, 3604,3606,3607, 3886,3914,3922, 3924,3943,3944, 3946,3950,3957, 3965,4253,4259, 4270,4282,4283, 4289,4314,4327, 4331	07,26,04, *03*,06,*05*, *04*,*24*,*13*, *13*,*14*,*35*, 06,06,*24*, 07,24,26, 11,*36*,01, 05,16,10, 07,09,42, 07,06,00, 04,*17*,*09*, *13*,*05*,11, *44*,09,*10*, *13*,07,03, 01,*22*,03, 42
614	11.2	− 8 18	7.5	7.71	2821,2823	*09*,09
631	11.2	−17 12	7.5	7.82	2830,2842	*19*,18
690	11.3	+38 56	6.5	5.97	3601,3921,4270	04,*13*,08

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
689	11.3	+38 16	7.5	7.30	3918,3921	06,*07*
558	11.4	− 4 39	6.8	6.83	3905,3914	06,*06*
638	11.4	− 6 6	6.3	6.54	2821,2823,3905	01,00,*01*
627	11.4	−12 22	7.2	7.49	2830,2848	02,*02*
256	11.5	+68 6	7.5	7.58	3186,3188	00,*01*
899	11.5	+49 51	5.7	*5.30*		. . A
520	11.5	+30 46	6.5	6.55	3921,3922	*09*,09
560	11.6	− 8 54	7.5	7.48	2821,2823	*10*,09
961	11.6	−39 22	7.7	7.39	3166,3195,3519	23,*30*,07
900	11.7	+49 24	7.5	7.90	3195,3198	*10*,10
627	11.7	− 9 31	6.5	*6.20*		06, . *05*
508	11.8	+ 6 27	7.5	6.93	2831,4283	*09*,09
965	11.9	−39 25	7.5	7.61	3185,3195,3519	02,*22*,20
902	12.0	+49 43	5.7	5.17	3555,4286,4287, 4289	*10*,09,*06*, 08
469	12.0	+22 28	7.5	7.52	3592,3602	03,*02*
1303	12.0	−31 11	6.4	6.49	2837,2841,3563	*04*,01,02
751	12.1	+38 6	7.5	7.42	3921,3922	05,*05*
753	12.1	+37 34	7.4	7.39	3922,3948	10,*10*
464	12.1	+24 31	7.5	7.61	3592,3602	02,*02*
493	12.1	+ 7 18	7.5	7.26	2831,4283	*12*,12
561	12.1	− 4 30	7.5	7.33	2823,2829,2842	*09*,01,07
642	12.2	+53 46	7.5	8.15	3192,3555	05,*05*
494	12.2	+ 7 19	8.5	7.67	2831,3168,3178	07,*03*,*03*
436	12.4	+23 44	7.0	7.37	3592,3602	00,00
535	12.4	+13 29	7.0	7.42	3168,3178	15,*15*
619	12.5	+33 51	5.0	5.04	3221,3601,4270	*04*,09,*04*
527	12.6	+17 47	7.5	7.52	3168,3178	15,*15*
1232	12.6	−36 3	6.7	6.93	3185,3534,3914	06,*02*,*03*
886	12.7	+48 17	7.5	7.45	3195,3198	05,*05*
693	12.8	+38 41	7.8	7.28	3601,3921	*05*,05
460	12.8	+12 28	7.0	7.64	3168,3178	20,*20*
1305	12.8	−31 43	7.4	6.89	2837,2841,3563	13,*13*,01
180	12.9	+73 48	6.9	6.94	3181,3186,3924	01,02,*04*
766	12.9	+55 10	7.2	*7.31*		A . .
738	12.9	+50 36	7.0	*7.02*		00, . 01
550	12.9	+14 49	7.3	*7.69*		A . .
1308	12.9	−23 53	6.8	6.75	2818,3166,3914	*05*,13,*09*
241	13.0	+70 55	7.5	7.58	3186,3555	05,*05*
559	13.1	+61 38	6.5	*6.65*		. . A
649	13.2	−10 48	7.2	7.14	2830,2848	*03*,03
733	13.3	+46 25	7.3	7.80	3195,3198	10,*10*
469	13.3	− 1 17	6.2	*5.52*		. . A
242	13.5	+71 3	8.0	7.73	3181,3186	*05*,05
740	13.5	+45 31	7.4	*7.82*		A . .
1228	13.6	−26 43	7.5	7.32	2818,2851	*01*,00
549	13.7	+62 28	7.5	7.58	3186,3188	00,*01*
1216	13.8	−29 9	5.9	5.91	2818,3185,4277	*08*,03,04
R	13.9	−22 52	R	*5.05*		. 04,*04*
540	14.0	+26 43	6.0	*6.00*		. . A
534	14.0	− 3 12	7.3	7.10	2823,2829,2842, 3185,3188,3192, 3542,3886,3895, 3895,3905,3905	*03*,*23*,02, *09*,20,10, 02,*09*,05, *07*,09,*01*
646	14.0	−14 37	7.5	7.96	2830,2848	12,*11*
459	14.1	+18 42	7.3	7.32	3168,3178	15,*15*
518	14.1	+ 3 0	5.3	4.90	3168,3178,4283	*19*,11,09
651	14.1	−18 55	5.9	5.77	3905,4277,4278	04,08,*12*
614	14.2	−15 55	7.0	7.80	2830,2848	*14*,13
516	14.3	+28 41	5.2	*4.70*		. . A
1090	14.3	−38 44	8.0	8.04	2837,3519,3534	*11*,02,08
442	14.4	+23 20	7.0	7.35	3196,3592	*08*,08
467	14.4	+13 1	7.8	*7.23*		. A .
684	14.5	+52 21	7.5	7.82	3192,3555	*02*,02
536	14.5	+25 18	6.5	6.48	3922,3924	02,*02*
685	14.6	+52 16	7.5	7.90	3192,3555	20,*19*
565	14.6	+ 0 50	8.3	7.40	3168,3182,3185, 3188,3192,3542, 3886,3895,3895, 3901,3901,4289, 4289,4291,4291, 4314,4314	*09*,20,03, 12,12,02, *16*,18,*09*, *16*,08,*28*, 08,*07*,*20*, 01,16
119	14.7	+78 8	7.5	7.80	3181,3186	*05*,06
893	14.7	+48 43	6.5	6.17	3195,3198,3920	13,*07*,*07*
750	14.7	+42 58	5.4	*5.13*		. . A
510	14.7	+19 30	7.5	7.12	3168,3182	*05*,05
509	14.7	+19 21	8.0	7.67	3168,3182	*10*,10
1093	14.8	−38 40	7.9	8.25	3166,3185,3519, 3534,3918,3918, 3921,3921,4259, 4259,4277,4277, 4278,4278,4283, 4283	*42*,37,*22*, *13*,*04*,*13*, 38,05,*10*, *30*,13,34, *04*,01,09, 00
567	14.9	+ 1 7	7.6	6.80	3925,3932	09,*09*
172	15.1	+72 50	7.1	7.30	3181,3186	05,*04*
265	15.1	+67 5	7.5	7.58	3181,3186	00,00
511	15.1	+20 9	7.2	6.92	3925,3932	00,00
462	15.1	+11 59	7.5	7.34	3168,3182	00,*01*
584	15.1	−22 7	4.0	*4.03*		. 08,*08*
654	15.2	−19 12	7.3	6.97	2830,2848,3905	*07*,02,05
1578	15.2	−24 29	5.9	*5.96*		. 09,*08*
1169	15.4	−35 21	6.9	6.86	2837,3161,3563, 3600	02,*08*,03, 04
672	15.5	+54 52	7.0	*7.56*		A . .
543	15.5	+20 47	5.0	5.09	3196,4270,4286	*12*,12, T
1246	15.5	−36 55	7.5	7.36	3534,3562,3563	01,07,*08*
596	15.6	+58 22	6.9	6.78	3192,3555,3920, 4286	32,*09*,*31*, 10
1230	15.7	−29 21	7.5	7.70	3166,3185	08,*08*
1284	15.7	−30 35	7.5	8.13	2837,3161,3563	15,*15*,01

3^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1231	15.8	−29 12	7.5	7.34	2851,3563	*08*,09
461	15.9	+ 3 19	6.3	5.93	3168,4283,4286	*12*,*15*,28
R	15.9	−43 27	. .	4.21	3155,3160,3895, 3901,3950,4252, 4283,4314	53,*36*, R, *02*,*19*,19, *25*,08
391	16.0	+64 14	6.0	5.43	3186,3924,4270	*05*,*02*,07
1213	16.0	−34 22	7.5	7.47	2837,3161,3563, 3600	10,*10*,10, *09*
899	16.1	+48 51	6.2	*5.40*		. . A
532	16.1	+31 3	7.5	7.55	3921,3922	17,*17*
1586	16.1	−24 28	8.0	7.44	2818,2851	*14*,14
500	16.2	+27 15	5.7	*5.70*		. . A
198	16.3	+71 51	7.2	7.18	3181,3186	10,*10*
1246	16.5	−26 39	7.0	*6.75*		. . A
1183	16.5	−26 58	6.6	*6.52*		. 12,*11*
903	16.7	+48 15	7.0	7.15	3195,3198	05,*05*
725	16.8	+40 51	7.3	7.78	3601,3921	02,*03*
551	17.0	+20 23	5.0	5.22	3918,4270,4286	*04*,19,*16*
1600	17.0	−23 59	5.7	5.68	3166	A
548	17.1	+26 32	7.0	7.28	3592,3918,3922	16,07,*22*
917	17.2	+49 30	2.0	*1.85*		. . A
622	17.2	+32 59	7.3	7.60	3921,3922	*02*,02
535	17.2	+30 38	7.5	*7.46*		A . .
625	17.2	−20 40	6.6	6.55	2818,2851,3914, 3925	*07*,00,07, *01*
1255	17.2	−37 48	7.5	7.51	3534,3562,3563	*08*,*02*,10
584	17.3	−15 49	7.1	7.34	2830,2848	02,*01*
599	17.4	+58 21	7.4	7.14	3192,3555	06,*05*
623	17.4	+32 38	7.5	7.90	3921,3922	*05*,04
554	17.6	+20 37	7.0	*7.35*		A . .
817	17.8	+47 32	7.3	7.60	3195,3198	00,00
616	17.8	−21 27	7.0	R		
345	17.9	+65 51	7.0	7.28	3186,3188	*10*,09
775	17.9	+39 42	7.0	*7.62*		A . .
1257	18.0	−25 57	6.5	6.36	3166,4277	16,*15*
566	18.1	+62 50	7.5	7.82	3186,3188	*04*,05
733	18.1	+40 24	7.5	*7.77*		A . .
636	18.2	+33 11	5.5	*5.63*		. . A
657	18.3	+53 35	6.3	6.39	3192,3555,3920	11,*31*,21
523	18.3	+19 33	7.5	7.22	3182,3185	05,*04*
481	18.4	+24 22	5.8	*5.76*		. . A
532	18.4	+ 4 31	7.7	6.47	3168,3182,3925	*06*,13,*07*
643	18.4	− 8 9	6.5	6.28	2829,2836,3905	*17*,*05*,21
652	18.4	−11 42	7.5	7.64	2830,2848	07,*07*
123	18.5	+77 40	7.1	7.66	3181,3186	*11*,10
691	18.5	+52 58	7.0	7.30	3192,3555	10,*10*
581	18.5	+ 0 34	7.2	6.61	2831,3925,3931	20,02,*21*
736	18.6	+40 54	6.5	6.40	3921,3922	04,*04*
655	18.7	+60 8	7.3	*7.66*		A . .
737	18.7	+40 37	7.0	*7.27*		A . .
447	18.7	+21 41	6.8	6.93	3592,3602,3918	05,02,*08*
556	18.7	+20 27	5.8	5.99	3589,4270,4286	05,20,*26*
473	18.7	+12 17	6.0	6.22	3185,3925,3283, 3286	*06*,*03*,11, *04*
526	18.8	+28 18	7.2	6.99	3589,3592,3918	*02*,*02*,04
657	18.8	−14 34	7.4	7.72	2830,2836	*04*,05
589	18.8	−15 14	7.1	7.50	2830,2836	06,*06*
654	18.8	−17 47	6.0	*6.68*		. 00,01
913	18.9	+48 45	6.5	*5.95*		. . A
929	19.0	+49 24	7.3	7.20	3195,3198	10,*10*
821	19.1	+48 2	7.1	7.55	3195,3198	05,*05*
249	19.3	+68 56	7.0	7.52	3186,3188	*04*,05
597	19.3	+31 23	7.0	7.49	3607,3921,3922	01,05,*06*
757	19.4	+50 30	7.5	*7.67*		A . .
511	19.4	+ 8 41	3.8	3.85	3168,4283,4286	*11*,*02*,12
1126	19.5	−28 18	7.5	7.27	2818,2851	09,*09*
250	19.7	+69 7	7.3	7.68	3186,3188	*20*,19
619	19.7	−21 17	7.2	7.44	2851,3166	*11*,10
1202	19.7	−33 4	6.7	6.63	2837,3161,3562	13,*07*,*06*
826	19.8	+47 34	7.5	7.80	3195,3198	20,*20*
661	19.8	−14 21	6.3	6.82	3905,3914	15,*15*
630	19.8	−16 0	6.7	7.55	2830,2836	01,*01*
1627	19.9	−24 40	7.5	7.26	2851,3166	00,*01*
201	20.0	+71 31	6.5	6.83	3181,3186,3924	15,15,*29*
828	20.0	+47 52	6.7	6.87	3195,3198,3901	13,*07*,*07*
586	20.1	− 4 50	6.9	7.42	2829,2842	12,*12*
657	20.2	+59 54	6.7	6.44	3901,3920	14,*15*
644	20.3	− 5 0	7.0	7.07	2829,2842	07,*07*
1370	20.3	−31 29	7.3	7.32	2837,3161,3562	13,*17*,04
658	20.4	+59 34	7.3	7.53	3192,3555	17,*17*
599	20.4	+31 29	7.5	7.84	3607,3921	*16*,15
532	20.5	+28 28	7.0	6.51	3589,3592,3918	*02*,06,*04*
649	20.8	+34 4	7.0	6.74	3601,3607,3921	13,07,*20*
920	20.9	+48 43	6.0	*4.94*		. 03,*04*
660	21.0	+59 36	4.5	4.63	3192,3555,3920	*03*,*04*,07
1818	21.0	−30 12	7.5	7.28	2837,3161,3562	13,03,*17*
484	21.4	+18 25	6.5	6.45	3182,3185,3925	*08*,03,04
1284	21.4	−37 31	7.2	6.81	2837,3161,3534	00,00,*01*
730	21.5	+44 2	7.0	6.91	3195,3198,3901	09,*01*,*08*
944	21.7	+49 31	6.5	*5.64*		08, . *07*
439	21.7	+ 9 23	4.0	*3.74*		. *04*,05
546	21.7	− 0 18	7.3	7.14	2842,2846	08,*07*
732	21.8	+43 25	7.5	7.25	3195,3198	05,*05*
477	21.8	+12 23	7.0	*6.20*		. *04*,04
598	21.8	−15 42	7.2	7.55	2830,2836	01,*01*
1127	21.8	−38 40	7.6	7.55	2837,3161,3534	*02*,08,*05*
607	21.9	+58 32	5.0	*4.73*		. . A
789	21.9	+39 50	6.8	*7.37*		A . .
835	22.0	+47 58	7.5	7.40	3195,3198	00,00
656	22.0	+33 28	6.0	5.69	3921,4270,4286	00,11,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
629	22.0	+32 28	7.5	7.66	3196,3607	14,*15*
597	22.0	+ 1 56	7.5	7.37	2831,3168,3182	*06*,04,03
1290	22.1	−36 17	6.2	6.17	2837,3160,3161, 3196,3534,3895, 3901,3920,3950, 4252,4259,4283, 4289,4314	*01*,*13*,*11*, *17*,*01*,31, *44*,13,15, 22,08,*02*, 07,*01*
608	22.2	+59 2	6.6	6.06	3192,3555,3901	14,*02*,*11*
945	22.2	+49 10	5.3	4.71	3559,4286	*12*,12
1228	22.2	−27 40	6.1	*5.94*		. 01,00
1291	22.2	−36 19	7.5	7.09	3161,3166,3914, 3914	05,05,01, *12*
790	22.3	+39 51	7.3	*7.49*		A . .
537	22.3	+20 7	7.0	6.70	3925,3931	*02*,01
495	22.3	+ 5 32	7.5	7.33	2831,4286	*19*,19
684	22.4	+55 7	4.8	*4.99*		*08*, . 08
714	22.4	+44 42	7.3	*7.37*		A . .
697	22.4	+35 28	7.5	7.26	3196,4286	04,*03*
760	22.5	+46 37	6.5	6.20	3555,3559,3901	04,*07*,02
1268	22.5	−28 55	7.5	7.68	2851,3166	*02*,03
685	22.6	+55 3	7.5	*7.46*		A . .
566	22.6	+30 2	6.8	*7.06*		A . .
495	22.6	+22 28	6.0	*6.14*		. . A
273	22.7	+67 14	7.5	7.48	3186,3188	10,*11*
269	22.7	+67 5	7.5	7.88	3186,3188	10,*11*
699	22.8	+52 34	6.7	7.42	3192,3559	18,*18*
573	23.0	+20 17	7.2	*7.15*		A . .
677	23.1	−14 43	6.8	*7.16*		A . .
444	23.2	+11 4	7.0	*6.80*		. A .
667	23.3	−11 38	6.0	*5.88*		. . A
762	23.4	+46 42	7.0	7.00	3555,3559,3901	*05*,*10*,15
565	23.4	+14 39	7.3	7.32	3182,3185	*05*,06
656	23.4	−13 6	7.5	7.36	2836,2846	01,*02*
844	23.5	+47 46	7.0	6.04	3195,3198,3901, 3920	06,06,07, *20*
843	23.5	+47 39	4.8	4.76	3195,3198,3589, 4270,4286,4287	44,14,*12*, *24*,*13*,*10*
772	23.7	+42 40	7.5	7.52	3559,3600	03,*04*
659	23.7	−13 33	7.2	7.26	2836,2846	01,*02*
1306	23.7	−36 2	5.6	5.81	3196,3534,3895, 3901,3920,3950, 4252,4259,4283, 4289,4314	02,*18*,25, *37*,14,*22*, 16,11,02, 09,02
600	23.8	+61 56	7.0	7.22	3186,3555,3931, 3932,3950	*14*,11,*07*, *07*,16
698	23.8	+36 18	7.2	7.79	3196,3921,3922	11,*09*,*03*
952	23.9	+50 9	7.0	*7.32*		A . .
552	23.9	+ 2 54	6.5	6.54	2831,3168,3182	*23*,17,06
693	24.0	+41 52	6.9	6.88	3559,3600,3901	*12*,01,11
450	24.0	+16 25	7.5	7.02	3182,3185	*05*,06

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
568	24.1	+29 42	7.5	*7.51*		A . .
178	24.2	+73 0	6.7	6.41	3181,3555,3924	04,04,*09*
938	24.3	+48 51	6.5	6.29	3559,3600,3901	*23*,*07*,30
1310	24.4	−36 12	6.6	6.42	2827,2837,3534	*08*,08,01
348	24.5	+65 12	7.0	7.07	3924,3934,3943	03, R,*03*
846	24.5	+47 31	7.4	6.77	3195,3198,3901	13,03,*15*
696	24.6	+41 25	7.4	7.15	3559,3600,3602	08,04,*11*
737	24.6	+38 49	7.0	7.20	3196,3921,3922	00,03,*04*
942	24.7	+49 4	7.0	6.32	3559,3600,3901	06,*01*,04
606	24.7	− 7 9	6.2	*6.12*		. . A
948	24.8	+48 24	7.0	6.62	3559,3600,3901	*08*,02,06
772	24.9	+40 26	6.5	*6.57*		A . .
452	24.9	+11 0	5.3	*5.14*		. 02,*03*
662	24.9	−13 1	6.0	*5.56*		. 05,*06*
648	24.9	−19 53	7.0	7.26	2842,2846	12,*11*
847	25.0	+47 41	6.5	5.52	3195,3198,3901	18,08,*25*
514	25.0	+27 23	8.0	7.14	3592,3895,3895, 3905,3905,3914, 3914,4259,4259, 4289,4289,4291, 4291	04,*08*,*07*, *01*,35,*22*, *01*,05,*09*, 09,*04*,00, *03*
447	25.0	+10 7	7.5	*7.22*		A . .
1284	25.0	−34 0	7.1	7.12	2837,3161,3562	*05*,*05*,10
575	25.1	+63 7	9.0	8.02	3955,3955,3965, 3965,3966,3966, 3967,3967,3967, 3967,3969,3969, 3969,3969,3979, 3979,3979,3979, 4259,4259,4291, 4291,4291,4291, 4314,4314	*03*,06,*15*, *13*,08,*11*, 28,08,06, *02*,*18*,*13*, 02,*13*,*01*, *07*,04,23, 09,23,*24*, *13*,*13*,12, 07,04
604	25.1	+61 50	8.1	8.50	3931,3932,3950	13,*02*,*11*
667	25.2	+34 2	7.3	7.79	3196,3607	11,*11*
1412	25.2	−23 50	6.9	6.84	2851,3166,3914	*06*,24,*17*
515	25.3	+27 14	5.7	6.06	3592,4270,4286	01,01,*02*
708	25.4	+36 9	7.5	*7.74*		. A .
486	25.4	+12 36	4.0	*4.29*		. 01,*01*
502	25.4	+ 5 51	6.7	6.10	3167,3168,4283	*06*,04,03
R	25.4	−22 51	R	6.87	2851,3166,3914	04,14,*19*
619	25.5	+58 26	7.0	6.27	3192,3555,3901	03,04,*07*
778	25.5	+45 44	6.0	5.39	3589,4270,4286	*17*,04,12
732	25.5	+44 30	7.5	7.32	3559,3600	*01*,01
666	25.5	−11 59	7.0	*6.89*		. . A
564	25.6	+17 37	6.5	7.22	3167,3182	*05*,05
674	25.6	− 5 25	5.0	*4.74*		08, . *07*
730	25.7	+57 32	7.0	6.41	3192,3555,3901	09,*07*,*01*
776	25.7	+40 36	7.2	6.78	3921,3922	03,*04*
565	25.7	+17 28	8.5	8.42	3167,3182	*05*,05
734	25.8	+44 32	6.5	6.45	3559,3589,3600,	02,00,*02*,

3^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3901,3920	*18*,18						3918,3920,3920,	12,07,08,
426	25.9	+63 34	7.5	7.68	3186,3555,3931,	00,02,03,						4277,4277,4289,	*21*,*04*,*12*,
					3932,3950	*03*,*02*						4289,4291,4291	*11*,*08*,12
783	25.9	+37 44	6.8	7.38	3196,3587	02,*02*	568	27.8	+13 26	7.5	*7.33*		. A .
691	25.9	−10 5	6.8	7.02	2836,2846	01,*01*	742	27.9	+44 27	7.3	7.76	3198,3559	*06*,06
693	26.0	+54 38	6.0	5.84	3192,3555,4270	06,*08*,02	747	28.2	+38 28	7.5	7.88	3921,3922	03,*03*
560	26.0	− 0 50	7.0	6.63	2823,2829,3905,	14,14,*13*,	652	28.2	− 2 12	7.5	7.62	2823,2829	05,*05*
					4277	*16*	697	28.2	− 9 48	3.3	*3.87*		06,01,*07*
694	26.1	−19 47	7.5	7.53	2836,2842	05,*05*	*1452*	28.2	−24 58	6.9	6.99	2851,3166,3914	*13*,06,07
850	26.2	+47 36	7.3	6.69	3195,3198,3901	21,11,*31*	1440	28.2	−31 55	8.0	7.95	3161,3185,3562	*23*,28,*04*
714	26.2	+35 19	7.5	*7.32*		05,*05*, .	575	28.4	+17 31	7.0	6.39	3167,3182,3925	*02*,*02*,03
1322	26.2	−36 6	7.0	6.88	2837,3161,3534	01,01,*02*	749	28.5	+38 15	7.0	6.99	3921,3922,4270	04,*02*,*03*
674	26.3	+35 6	6.0	5.83	3587,4270,4286	16,*11*,*06*	*473*	28.5	+24 7	6.2	*5.95*		. . A
622	26.3	−18 49	7.5	7.58	2836,2842	*10*,10	801	28.6	+55 32	7.0	6.78	3901,3920	*01*,01
611	26.4	+31 18	7.3	7.92	3587,3607	*07*,06	*656*	28.6	−15 53	8.5	9.22	2842,2846,3188,	00, R,*34*,
1171	26.4	−28 16	7.1	7.81	2851,3166	*03*,03						3192,3542,3542,	R,*21*,03,
674	26.5	−13 51	7.5	7.56	2836,2842	11,*12*						3918,3918,3920,	23,18,*06*,
683	26.5	−17 31	7.5	8.50	2836,2842	01,00						3920,4277,4277,	02,09,05,
R	26.5	−42 59	. .	5.53	3950,4259,4283,	01,*22*,06,						4278,4278,4283	16,*30*,21
					4289	14	584	28.7	+62 37	8.5	7.84	3534,3542,3600	*07*,05,03
581	26.6	+62 12	8.1	8.21	3931,3932,3950	*15*,24,*09*	794	28.7	+37 41	7.5	7.58	3196,3587	12,*13*
613	26.6	− 3 51	7.3	7.12	2823,2829	15,*15*	787	28.8	+42 34	7.5	7.37	3195,3600,3901,	33,*35*,*17*,
675	26.8	+59 43	7.0	6.40	3901,3920	*07*,07						3920,3924	14,07
161	26.9	+74 26	7.5	7.60	3181,3186	05,*04*	616	28.8	+31 41	6.5	6.62	3587,3607,3921	08,01,*09*
811	26.9	+39 34	6.0	*5.83*		. . A	703	28.9	+52 35	7.0	7.69	3192,3555	21,*21*
639	26.9	+33 0	7.5	7.58	3587,3607	*02*,08	773	28.9	+46 46	7.1	6.76	3600,3604,3901	*10*,*08*,17
487	26.9	+11 12	7.3	6.62	2831,4283	*18*,18	617	29.2	−15 28	6.3	7.17	3905,3925,4277	13,*15*,01
685	26.9	−17 8	7.0	7.56	2836,2842	*05*,04	532	29.3	+ 8 49	7.8	7.63	2831,3167,3168,	R,*09*,*09*,
949	27.1	+48 17	7.5	7.25	3195,3600,3901,	05,*15*,*06*,						3542,3562,3563	*03*,*02*,24
					3920,3924	13,03	857	29.4	+47 51	5.3	4.31	3920,4270,4286	22,*13*,*08*
528	27.1	+ 9 2	6.2	*5.72*		. *01*,02	619	29.4	+31 21	7.0	6.83	3587,3607,3921	*02*,08,*06*
1326	27.1	−37 43	7.5	7.49	3161,3166,3185	*21*,18,04	*628*	29.4	−21 58	3.8	*4.30*		. 01,*01*
786	27.2	+37 41	7.0	7.20	3196,3587	10,*11*	*511*	29.5	+ 6 5	7.3	6.50	2831,4283	*06*,06
787	27.2	+37 27	7.5	7.95	3196,3587	05,*04*	128	29.6	+76 50	7.5	7.90	3181,3186	*15*,16
666	27.2	− 8 11	7.3	7.40	2823,2829	00,01	689	29.6	+34 36	7.5	7.62	3607,3921,3922	*10*,08,02
458	27.3	+16 15	7.3	7.08	3167,3182,3185,	*06*,04,*05*,	507	29.6	+18 35	7.0	7.87	3167,3182	*10*,10
					3188,3192,3534,	15,25,01,	576	29.8	− 3 45	7.4	7.67	2823,2829	00,00
					3542,3895,3895,	03,01,09,	704	29.8	−10 12	6.5	6.18	3905,3925	07,*07*
					3905,3905,3914,	*17*,*15*,*05*,	*1449*	29.8	−30 58	7.0	7.25	2837,3166,3562	03,08,*11*
					3914	*16*	824	29.9	+56 23	6.6	6.79	3188,3192,3901	01,01,*01*
143	27.4	+75 24	6.5	6.24	3924,3932	01,*01*	1450	29.9	−31 25	6.4	6.13	2837,3161,3562	02,*08*,07
582	27.4	+62 59	8.2	7.58	3931,3932,3950,	*02*,*08*,*22*,	579	30.0	+29 40	7.4	*7.76*		A . .
					3967,3967,3969,	13,19,*05*,	*682*	30.4	+34 1	7.0	6.98	3607,3921,4270	01,*03*,01
					3969,3979 3979,	00,02,19,	826	30.5	+56 37	6.5	6.27	3188,3192,3901	*17*,13,04
					4291,4291	*15*,*05*	693	30.5	+34 43	7.4	*7.42*		A . .
618	27.4	− 7 26	7.3	7.35	2823,2829,2836	*01*,09,*09*	548	30.5	+28 54	6.8	6.63	3196,3592,3918	*13*,*09*,21
1258	27.5	−38 53	7.5	7.20	2837,3161,3562	10,*10*,00	1358	30.5	−32 13	6.7	6.49	2837,3161,3562	00,10,*09*
693	27.6	− 8 57	7.5	8.26	2823,2829	04,*05*	562	30.6	+19 44	7.0	*7.55*		A . .
1333	27.6	−25 57	6.3	6.81	2851,3166,3542,	13, R,04,	*1348*	30.6	−25 55	6.5	6.58	2827,2851,3914	*02*,06,*04*
					3914,3914,3918,	*01*,*15*,14,	1284	30.7	−35 10	6.8	7.05	2837,3166,3563	03,10,*13*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
829	30.8	+39 45	7.0	*7.17*		▲ . .
436	31.0	+63 58	7.2	7.28	3181,3186	00,00
518	31.0	+22 54	7.0	6.69	3196,3592,3918	*12*,01,12
696	31.0	− 5 27	6.5	6.68	3905,3925	*04*,04
590	31.1	+62 49	8.5	8.37	3534,3542,3600	*25*,17,09
962	31.1	+48 45	7.5	7.04	3600,3602	*03*,04
437	31.2	+63 33	7.0	6.81	3181,3186,3924,3931,3932,3950	07,07,*25*,12,11,*14*
631	31.2	+58 56	7.4	8.10	3188,3192	*10*,10
795	31.2	+42 15	6.7	6.30	3195,3198,3920	00,10,*09*
696	31.2	−11 32	5.8	*5.70*		. . ▲
963	31.3	+48 54	7.0	6.75	3600,3602,3920	02,10,*13*
558	31.3	+30 48	7.1	7.01	3592,3607	09,*09*
1353	31.3	−36 16	7.3	7.80	2837,3166,3563	06,04,*11*
632	31.4	+59 7	7.1	7.10	3188,3192	00,00
757	31.4	+44 28	8.0	6.82	3195,3198,3559,3920	*12*,08,01,02
759	31.5	+44 28	8.0			
622	31.5	+62 4	9.0	9.22	3931,3932,3950	*12*,20,*09*
732	31.5	+37 6	7.0	7.36	3592,3921	07,*07*
706	31.6	+52 30	7.4	7.96	3192,3555	14,*14*
616	31.7	+ 0 16	6.9	*6.12*		06 . *07*
699	31.7	−17 48	5.0	*5.21*		. . ▲
572	31.8	+ 0 5	4.2	4.45	2848,4271,4283	09,*08*,*02*
803	31.9	+56 3	7.0	6.56	3188,3192,3920	*16*,14,02
708	31.9	−19 42	7.3	7.12	2836,2846	06,*07*
803	32.2	+42 13	7.2	6.95	3195,3198,3920	05,*05*,01
586	32.2	+15 5	6.5	6.45	3925,3931	*01*,01
517	32.4	+19 1	7.3	7.67	3167,3182	00,00
222	32.6	+69 32	7.2	7.13	3181,3186	*05*,05
503	32.6	+ 8 50	7.4	7.02	2831,2848	09,*08*
598	32.7	+62 36	9.1	8.62	3534,3542,3574	*08*,05,08
523	32.8	+22 20	6.8	6.57	3196,3592,3918	00,03,*04*
1406	33.0	−30 10	7.2	7.25	2837,3166,3562	06,01,*07*
1332	33.0	−34 7	6.8	6.91	2837,3166,3562	*14*,02,13
594	33.1	+62 23	9.2	9.19	3534,3542,3574,3931,3932,3943,3943,3944,3944,3950,3955,3955,3966,3966,3969,3969	*15*,*01*,*18*,01,02,*14*,13,*07*,02,06,03,*12*,07,22,04,06
637	33.1	+58 31	6.5	7.10	3188,3192	*10*,10
602	33.2	+20 35	6.0	6.47	3589,3918,4270	*06*,05,00
627	33.2	−15 49	7.0	7.22	2836,3846	02,*01*
1367	33.2	−36 37	7.1	7.08	2837,3166,3563	05,13,*17*
492	33.4	+21 32	7.2	7.27	3196,3589	10,*10*
168	33.5	+74 13	6.8	6.80	3924,3932	00,*01*
597	33.5	+62 54	5.0	5.30	3155,3160,3161,3162,3167,3168,3178,3180,3181,3181,3182,3185,3193,3196,3211,3213,3221,3230,3236,3501,3519,3526,3534,3545,3574,3577,3587,3592,3600,3601,3606,3607,3886,3921,3922,3924,3931,3943,3944,3946,3946,3950,3957,3965,3966,3969,3979,4259,4270,4275,4283,4289,4291,4297,4314,4327,4331,4338	17,05,*02*,*13*,16,16,27,07,48,28,36,08,06,28,06,06,*03*,37,*32*,*06*,00,*13*,09,*14*,*05*,*04*,*45*,*01*,07,*07*,*26*,*14*,05,11,*22*,*18*,*25*,*02*,*02*,16,*09*,22,05,22,00,*15*,*39*,17,03,*20*,16,01,*04*,06,*01*,*16*,*31*,*14*
575	33.5	+ 2 23	8.0	7.96	3167,3168	*06*,05
1008	33.5	−40 36	4.8	4.66	3895,4259,4283,4289	04,*21*,18,*03*
51	33.6	+86 20	6.0	*5.88*		*11*, . 10
647	33.6	− 7 43	6.0	*5.88*		. . ▲
91	33.7	+83 14	7.3	*7.52*		▲ . .
795	33.7	+45 41	7.5	7.48	3198,3932	*08*,08
579	33.7	+13 35	7.0	6.89	3167,3182,3925	*22*,18,03
542	33.7	+ 8 50	7.5	7.72	2831,2848,3167,3182	*08*,04,02,01
577	33.7	+ 2 26	8.0	7.06	3167,3168	04,*05*
690	33.8	+33 48	6.5	6.85	3592,3607,3921	07,*01*,*06*
484	33.8	+16 13	6.0	6.28	3182,4271,4283	09,*03*,*05*
110	33.9	+80 0	7.8	7.35	3534,3542,3559,3895,3895,3901,3901,3905,3905,4286,4286,4289,4289,4291,4291	38,59,38,06,*19*,*03*,02,*02*,04,*12*,*32*,*38*,*08*,*14*,*14*
516	33.9	− 1 51	7.8	*7.40*		▲ . .
713	34.0	− 5 57	5.8	*6.00*		. 12,*11*
692	34.0	− 8 50	7.2	7.46	2823,2829	04,*05*
1479	34.1	−31 38	7.1	7.39	2837,3161,3562	16,*04*,*11*
813	34.2	+40 51	7.0	7.08	3921,3922	04,*05*
782	34.2	+38 48	7.5	7.62	3921,3922	*06*,05
734	34.2	+35 38	7.5	*8.67*		▲ . .
684	34.4	−20 32	7.3	7.96	2808,2827	07,*07*
699	34.5	+59 39	6.0	6.10	3188,3192,4270	*10*,10,*01*
562	34.5	+28 27	7.0	6.86	3196,3592,3918	04,*03*,*02*
607	34.5	+21 5	7.0	7.18	3196,3589	09,*08*
811	34.6	+37 16	5.7	5.39	3895,4282,4283	*16*,13,02
1225	34.6	−28 16	5.8	6.08	2827,2851,3914	00,00,*01*
581	34.7	+ 2 44	5.8	5.74	3925,4271,4283	18,*09*,*10*
591	34.7	− 3 43	6.3	*6.34*		. . ▲
717	34.7	−10 46	6.1	*6.35*		*05*, . 05

3^{h}

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
	m.	°	′	DM.	Phot.		
529	34.8	+25	0	6.7	*6.15*		*04*,04,01
736	34.9	+36	4	7.3	7.76	3895,3922	06,*05*
519	34.9	− 1	27	6.7	6.15	2846,3167,3905	*28*,12,16
654	34.9	− 7	6	7.0	6.99	2823,2829,3905	05,*05*,*01*
1311	34.9	−35	32	7.2	7.16	2837,3185,3563	*01*,*03*,05
133	35.0	+77	48	7.2	7.06	3181,3186	*11*,10
707	35.0	−17	41	6.8	7.06	2836,2842	*05*,04
763	35.1	+51	59	7.5	7.85	3192,3555	15,*15*
706	35.1	−11	16	7.0	7.08	2836,2842	02,*02*
814	35.2	+37	16	7.5	7.76	3895,3922	*09*,08
564	35.2	+28	23	7.0	6.89	3196,3592,3918	11,01,*12*
802	35.3	+50	51	7.5	7.94	3192,3555	06,*05*
571	35.3	+ 4	49	7.0	6.71	2831,3925,3931	*10*,00,11
592	35.3	− 3	32	7.2	6.77	2823,2829	00,00
719	35.4	− 9	22	7.0	6.86	2823,2829	04,*05*
634	35.6	−15	33	6.0	6.40	3905,4277	08,*08*
216	35.7	+71	18	7.0	7.08	3181,3186	*10*,10
690	35.7	− 2	39	7.5	7.07	2823,2829	00,00
715	35.7	− 5	32	5.5	*5.56*		06, . *07*
686	35.7	−19	55	6.5	6.96	3925,4277	05,*06*
1235	35.7	−28	50	7.1	6.90	2827,2851,3914	05,06,*11*
876	35.8	+47	28	8.5	3.00	3193,3559,3920,	*20*,52,*07*,
						3924,3932,3943	*05*,04,*21*
698	36.0	+33	39	4.8	5.15	3592,3922,4282	32,*11*,*22*
659	36.1	+32	38	6.8	6.67	3607,3895,4282	14,*18*,04
472	36.1	+ 9	46	6.8	*7.32*		. 00,01
713	36.1	−12	56	7.0	7.46	2836,2842	11,*12*
724	36.2	−19	48	7.0	6.92	3905,3925	04,*03*
1355	36.2	−34	52	7.5	7.80	2837,3166,3562	01,*02*,00
532	36.3	+22	29	7.5	7.32	3196,3589	15,*16*
284	36.5	+66	53	6.2	5.90	3160,3180,3924	05,*03*,*02*
689	36.5	−12	7	6.8	6.50	2836,2842,3905	*10*,06,04
735	36.6	+61	9	7.3	7.52	3193,3555	04,*05*
578	36.6	+19	23	5.5	5.56	3182,4271,4278	11,*04*,*06*
1241	36.6	−28	17	7.3	7.18	2827,2851	10,*10*
984	36.9	+48	13	6.5	6.28	3193,3920,3924	*18*,08,11
812	36.9	+42	17	7.5	7.35	3198,3195	*15*,15
497	36.9	+16	58	7.5	7.17	3167,3182	*10*,10
687	36.9	−19	54	6.6	6.54	3905,3925	09,*09*
729	37.0	−14	37	7.2	7.46	2836,2842	*09*,08
593	37.1	+25	21	7.0	*7.11*		A . .
782	37.2	+44	34	7.5	7.81	3198,3559	09,*09*
553	37.2	+ 8	20	7.2	7.08	2831,2848,3185,	*04*,*02*,*02*,
						3188	07
604	37.3	+63	2	5.3	4.96	3160,4270,4275,	*01*,07,03,
						4275	*08*
732	37.3	−14	41	7.2	*6.98*		A . .
809	37.4	+50	14	7.3	*7.52*		A . .
820	37.4	+38	4	7.5	7.40	3895,3922	*01*,00
715	37.5	−17	28	7.5	7.70	2836,2842	11,*10*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
	m.	°	′	DM.	Phot.		
804	37.7	+45	48	6.5	*6.06*		06, . *06*
599	37.7	+26	4	7.4	7.53	3196,3589,3918	07, R ,*07*
688	37.7	−16	17	7.3	7.97	2842,2846	15,*16*
1513	37.7	−24	58	7.0	6.79	2827,2851,3914	*01*,07,*05*
537	37.8	+24	45	7.3	*7.46*		A . .
642	38.0	+31	58	3.8	*3.88*		. . A
582	38.0	+19	21	6.0	6.25	3167,4271,4278	*08*,16,*07*
1448	38.0	−30	35	8.0	8.43	2837,3166,3562	05,*10*,05
707	38.1	+54	45	6.5	6.74	3920,3924	09,*09*
742	38.1	+36	9	5.5	5.50	3922,4282,4283	*08*,24,*16*
744	38.2	+35	33	7.5	*8.32*		A . .
732	38.2	−19	1	7.4	7.36	2842,2846	22,*21*
702	38.3	− 2	23	7.5	7.22	2828,2829,2842	*05*,05,00
1430	38.3	−32	15	4.9	4.89	3562,3563,3587,	11,01,09,
						3895,3914,4259,	*47*,*06*,07,
						4289	23
815	38.4	+42	16	4.1	3.90	3193,3195,4270	*20*,20,00
852	38.4	+39	46	7.0	*7.47*		A . .
556	38.5	+27	35	6.6	6.71	3196,3589,3918	*01*,01,*01*
728	38.5	−10	6	3.3	*3.74*		*08*,*03*,10
558	38.6	+27	37	7.0	7.02	3196,3589,3918	*02*,*14*,17
621	38.6	+20	37	6.2	*6.12*		13, . *12*
742	38.7	+41	43	7.5	6.82	3193,3195,3920	*12*,08,04
257	38.8	+70	34	5.7	*5.50*		. . A
729	38.8	−10	48	6.0	*5.77*		10, . *10*
505	38.9	+23	59	6.5	5.42	3196,4282,4283	*05*,*14*,19
811	39.0	+45	22	6.2	5.63	3920,4270,4275	31,*10*,*22*
803	39.0	+38	21	6.5	6.56	3895,3922,4282	08,*05*,*03*
507	39.0	+23	48	4.7	*3.80*		. . A
710	39.1	− 8	11	7.5	7.80	2823,2829,2842	10,01,*12*
1514	39.1	−31	20	7.3	7.35	2824,2837,3562	*13*,10,02
1415	39.1	−37	38	4.8	4.74	3563,3587,3895,	08,*07*, R,
						4259,4289	*02*,01
546	39.2	+24	32	6.3	*5.63*		18,*17*,*01*
547	39.3	+24	10	5.0	*4.30*		. . A
733	39.4	−19	25	7.0	7.23	2846,2848,2849	*18*,26,*07*
526	39.5	− 1	29	5.8	*5.09*		. . A
824	39.7	+55	37	6.5	5.99	3188,3555,4270	*09*,12,*04*
774	39.7	+51	24	6.5	6.80	3193,3555,3920	*10*,*08*,19
259	39.8	+71	1	4.3	4.70	3160,3161,3162,	25,*02*,*23*,
						3182,3186,3188,	26,08,*23*,
						3196,3211,3213,	*02*,*14*,*14*,
						3214,3230,3501,	*44*,*23*,00,
						3526,3534,3545,	*13*,00,06,
						3559,3563,3570,	*22*,*02*,*27*,
						3574,3587,3589,	*05*,*01*,*09*,
						3592,3600,3601,	*12*,*01*,*02*,
						3606,3901,3920,	28,*24*,16,
						3921,3931,3932,	23,05,*07*,
						3950,3955,3966,	30,*10*,43,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3967,3969,4259,	17,03,06,	1423	41.4	−26 13	6.7	6.92	2827,3185,3914	*06*,01,04
					4271,4275,4282,	10,*10*,*10*,	641	41.5	+61 30	7.0	7.42	3180,3181	*05*,06
					4289,4291,4314,	07,14,05,	831	41.5	+50 33	7.1	*7.37*		A . .
					4327,4334,4338	04,*03*,28	717	41.5	+33 18	7.0	6.36	3604,3607,3895	03,04,*08*
1401	39.8	−28 56	7.2	7.14	2827,3185	*09*,10	650	41.5	+31 54	6.5	6.23	3604,3607,3895	00,09,*10*
516	39.9	+24 4	4.8	*4.07*		. . A	541	41.5	+23 48	3.2	*2.94*		. *06*,06
602	39.9	+ 2 19	7.5	6.71	2848,3167,3182,	*07*,*01*,*11*,	538	41.5	+23 37	7.5	7.14	3196,3589	*07*,07
					3211,3213	29,*09*	537	41.5	+23 30	7.5	6.95	3196,3589,3918	02,02,*04*
593	39.9	− 0 36	6.2	*5.90*		13, . *12*	741	41.5	−10 11	7.0	6.91	2846,2848,3905	*10*,*02*,13
553	40.0	+24 15	7.0	5.77	3918,4282,4283	*02*,08,*06*	*540*	41.6	+24 0	7.0	*6.90*		. A .
556	40.1	+24 13	7.0	*6.46*		. A .	567	41.6	+ 8 39	7.3	7.38	3167,3182	*14*,15
775	40.2	+51 13	7.0	7.25	3193,3555	15,*15*	286	41.8	+68 12	6.5	6.33	3160,3180,3924	02,*06*,03
539	40.3	+ 5 44	5.7	5.27	3188,4271,4278	05,*04*,*02*	714	41.9	+52 21	6.5	6.76	3193,3555,3920	*06*,*07*,12
369	40.4	+65 13	4.5	4.68	3180,3186,3188,	19, R,29,	174	42.0	+74 23	7.2	7.92	3160,3180	*12*,11
					3190,3193,3198,	10,28,29,	842	42.2	+40 23	7.3	*7.72*		A . .
					3214,3217,3534,	08,38,05,	571	42.2	+24 41	7.0	6.83	3918,3922	04,*04*
					3542,3555,3559,	07,14,11,	1280	42.2	−38 53	8.1	8.08	2824,2837,3562	17,02,*19*
					3562,3563,3570,	04,*05*,13,	818	42.3	+43 39	6.2	5.92	3193,3195,4270	*12*,28,*17*
					3575,3589,3604,	03,*17*,*16*,	*719*	42.3	+34 0	7.5	7.12	3604,3607	*11*,10
					3606,3610,3612,	*23*,13,*19*,	749	42.3	−14 47	7.3	7.64	2846,2848	*10*,11
					3895,3901,3920,	R,03,07,	1413	42.3	−29 38	5.7	*5.88*		. 01,00
					3932,3948,3950,	*07*,*15*,*24*,	893	42.4	+47 41	7.5	7.16	3600,3602	*03*,04
					3955,3966,3967,	*14*,*40*,*24*,	*563*	42.5	+23 8	6.9	5.51	3196,3589,3918	*04*,*06*,09
					3969,3975,4259,	T,*23*,*22*,	1565	42.5	−23 33	3.9	*4.34*		. 02,*01*
					4271,4289,4297,	*04*,*05*,04,	1556	42.5	−25 40	7.2	7.34	2827,3185	02,*01*
					4314,4327,4331,	*10*,05,24,	1557	42.5	−25 10	7.7	7.92	2827,3185	*04*,03
					4334,4338	*12*,*09*	486	42.8	+10 50	5.2	5.17	3167,3931,4271	*03*,24,*22*
809	40.4	+43 46	7.0	7.07	3193,3195,3198	*07*,13,*07*	749	42.8	− 5 8	7.5	7.59	2823,2829	*15*,15
649	40.4	+32 0	6.8	6.51	3604,3607,3895	*06*,19,*13*	715	42.9	+52 11	6.6	6.87	3193,3555,3920	*07*,00,06
522	40.4	+23 39	4.5	4.30	3918,4282,4283	*05*,02,02	556	43.0	+23 34	7.0	6.57	3196,3589,3918	10,00,*10*
582	40.4	+ 6 54	7.3	7.18	3167,3182	06,*05*	566	43.0	+22 30	7.5	7.94	3589,3918	*05*,04
1264	40.4	−38 36	7.2	6.96	2824,2837,3562	02,*03*,00	616	43.0	− 3 10	7.2	6.91	2823,2829,3905	*04*,16,*11*
1547	40.6	−23 41	7.4	7.59	2827,3185	*08*,08	1493	43.0	−30 22	7.6	7.23	2837,3166,3562,	*02*,03,*02*
479	40.7	+10 15	7.5	*7.72*		A . .	801	43.1	+44 40	5.8	5.71	3198,4270,4275	*01*,23,*22*
612	40.8	+63 0	6.5	5.96	3160,3180,3924	29,*09*,*20*	494	43.1	+ 9 21	6.5	*6.95*		. A .
583	40.8	+ 6 30	6.7	6.12	3167,3182,3925	02,01,*03*	667	43.2	+32 48	5.8	*5.00*		. . A
594	40.9	+13 13	7.0	6.80	3167,3182,3925	07,07,*14*	557	43.2	+23 45	4.0	3.73	3592,4282,4283	06,*12*,06
649	40.9	−15 41	7.0	7.56	2846,2849	05,*06*	1494	43.2	−30 12	6.9	6.44	2837,3166,3562	*13*,02,11
700	40.9	−20 49	7.3	7.50	2827,3188	*11*,10	558	43.3	+23 51	6.2	5.16	3918,4282,4283	01,*02*,02
283	41.0	+68 48	7.4	7.21	3160,3180	04,*04*	1425	43.3	−29 46	7.3	7.18	2827,2837	05,*04*
825	41.0	+50 26	6.0	5.97	3924,4270,4275	21,02,*22*	*561*	43.4	+24 5	7.5	6.63	3196,3592,3918	04,09,*12*
562	41.1	+24 13	7.5	6.79	3196,3589,3918	18,*31*,13	1877	43.4	−24 11	5.5	*5.16*		. 00,*01*
1167	41.1	−39 8	7.7	7.26	2824,2837,3562	04,*22*,18	373	43.5	+65 15	7.5	*7.35*		A . .
828	41.2	+51 5	7.0	7.52	3193,3555	*02*,02	833	43.5	+37 35	6.5	6.57	3604,3895,3922	13,*36*,22
846	41.3	+56 49	7.0	6.48	3555,3559,3920	*05*,02,02	602	43.5	− 0 4	6.5	*6.10*		08, . *09*
835	41.3	+40 13	7.2	*7.12*		A . .	*724*	43.6	+60 2	7.2	*7.01*		A . .
262	41.4	+70 13	7.4	*7.39*		A . .	670	43.6	− 4 43	7.3	7.76	2823,2829,2842	08,*12*,04
847	41.4	+56 49	7.5	7.29	3555,3559	*13*,13	*644*	43.7	+62 2	7.0	6.82	3160,3180,3924	03,05,*08*
707	41.4	−12 25	4.3	4.70	4286,4286,4287,	*15*,09,*04*,	572	43.7	+22 15	7.3	6.91	3589,3592,3918	06,*03*,*02*
					4287,4289,4289	*04*,10,01	743	43.7	−13 36	7.3	7.60	2836,2846	*03*,04

3^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1434	43.7	−26 38	6.8	6.85	2827,2851,3914	18,*03*,*15*
741	43.8	+34 32	7.0	6.67	3604,3607,3895	09,07,*17*
563	43.8	+23 25	7.2	6.11	3196,3589,3918	16,*17*,01
685	43.9	− 7 19	7.0	7.77	2829,2842	*13*,13
1497	43.9	−30 28	5.6	5.73	3562,3587,3920	*11*,*04*,16
535	44.0	+21 57	6.5	5.91	3542,3589,3895,	22,*04*,*33*,
					3895,3901,3901,	*43*,24,*01*,
					3905,3905,4282,	*08*,02,03,
					4282,4283,4286,	*02*,32,11,
					4286	*02*
1453	44.0	−36 24	6.7	6.12	2837,3166,3562	04,02,*05*
724	44.1	+33 45	7.0	7.36	3604,3607	*13*,13
569	44.1	+23 33	7.5	6.71	3196,3589,3918	06,*08*,03
703	44.2	−21 12	5.7	*6.06*		. 00,00
624	44.3	+25 17	6.0	*5.32*		*11*, R,11
574	44.3	+ 9 7	6.8	6.75	3167,3182,3925	09,*12*,02
539	44.3	− 1 45	7.5	6.65	2829,2842,3905,	02,07,*05*,
					3925	*04*
746	44.5	+34 49	7.2	*7.57*		A . .
726	44.6	− 2 37	7.3	7.07	2829,2846	00,00
1479	44.6	−32 5	8.3	7.59	2837,3166,3562	03,08,*11*
590	44.8	+ 6 20	7.5	7.78	3167,3182	*14*,15
204	44.9	+73 47	6.5	6.99	3160,3181,3924	01,*04*,02
1440	44.9	−26 20	7.0	6.92	2827,2851,3914	21,*10*,*10*
1297	44.9	−37 55	4.3	4.29	3211,3587,3920	*02*,*06*,07
570	45.0	+23 40	7.3	6.88	3196,3589,3918	*01*,01,00
544	45.2	− 1 49	7.0	6.54	2829,2842,3905,	*07*,08,*01*,
					3925	02
674	45.3	− 4 12	7.5	7.54	2829,2846	10,*10*
847	45.4	+40 30	7.2	*7.52*		A . .
583	45.4	+24 52	7.7	6.86	3918,3922	12,*11*
758	45.4	− 5 22	8.2	7.99	2849,3186,3188,	20,*13*,*01*,
					3542,3570,3574	*13*,09,*03*
849	45.5	+50 46	7.4	7.46	3193,3555	*16*,16
728	45.5	+34 3	6.5	5.82	3607,3895,3922,	01,*24*,30,
					4282	*05*
667	45.5	+ 1 16	7.0	6.68	3925,3931	07,*07*
752	45.6	+57 40	6.0	5.77	3193,3555,4270	*27*,07,21
1466	45.6	−36 28	7.0	6.72	2837,3166,3562	04,02,*05*
539	45.7	+21 44	7.2	6.78	3542,3895,3895,	18,*33*,*31*,
					3901,3901,3905,	16,13,*02*,
					3905,3918,4282,	*07*,09,08,
					4282,4283,4288,	09,*16*,*03*,
					4286,4286,4286,	01,*05*,07,
					4286	19
516	45.7	+12 45	7.0	*6.22*		. 04,*03*
751	45.7	−19 3	6.8	7.26	2836,2846	02,*01*
1467	45.7	−36 30	4.1	4.20	3166,3168,3211,	21,*21*,*03*,
					3526,3562,3587,	03,*04*,*07*,
					3920	08
222	45.8	+71 31	6.5	6.39	3160,3181,3924	06,*01*,*06*
880	45.8	+40 3	7.5	*7.32*		A . .
582	45.8	+30 52	6.5	6.12	3895,3922	*08*,09
668	45.9	+ 1 26	8.0	7.85	3167,3182	*15*,15
730	46.0	+33 53	7.5	7.49	3604,3607	*03*,03
587	46.2	+24 53	7.5	6.76	3918,3922	*03*,03
662	46.3	+32 6	7.0	6.70	3607,3895,3922,	04,*13*,08
1015	46.4	+48 21	6.2	5.92	3559,3600,3920	01,04,*05*
1487	46.4	−32 35	7.3	7.09	3166,3185,3188,	05,12,*07*,
					3192,3562,3914,	13,02,03,
					3914,3918,3918,	12,*04*,06,
					3920,3920,4286,	02,*10*,07,
					4286,4287,4287,	*08*,03,03,
					4291,4291	*15*,*21*
594	46.6	+ 6 15	6.1	5.51	3167,4271,4278	03,00,*02*
1563	46.6	−30 59	7.1	7.24	3166,3185,3562	*01*,03,*02*
199	46.9	+72 26	7.0	6.75	3181,3534,3924	10,00,*09*
633	46.9	+26 22	7.5	7.98	3918,3922	*10*,11
1448	46.9	−29 42	7.5	7.79	2827,2851,3185,	04,05,03,
					3188,3192,3195,	*14*,36,12,
					3914,3914,3918,	*12*,*08*,*06*,
					3918,3920,3920,	*02*,*08*,05,
					4286,4286,4287,	*03*,*16*,17,
					4287,4289,4289	24,*16*,*13*
1476	46.9	−36 43	7.0	6.70	3166,3185,3562	01,14,*14*
744	47.0	−17 28	7.2	7.63	2846,3905,4277	05,15,*19*
548	47.1	− 1 26	7.0	6.71	2842,2846,3905	*09*,*04*,13
713	47.1	−21 34	6.6	6.63	2827,2851,3914	03,10,*12*
1217	47.1	−39 17	7.5	7.11	3166,3185,3562	01,02,*02*
549	47.2	− 0 57	7.3	6.94	2842,2846,2848	28,*12*,*17*
737	47.2	−12 16	7.5	7.58	2836,2846	02,*01*
613	47.3	+14 4	7.5	8.02	3167,3182	*05*,05
523	47.4	+17 2	6.1	*5.87*		. . A
1570	47.4	−31 10	7.5	7.59	3166,3185,3562	21,*01*,*19*
641	47.5	+25 23	6.6	*7.16*		A . .
768	47.5	− 5 21	7.0	6.69	2846,2849,3185,	*25*,10,50,
					3188,3542,3563,	19,10,*03*,
					3570,3574,3905,	*08*,*12*,10,
					3905,3914,3914,	14,*01*,*10*,
					3918,3918,4277,	*14*,05,*25*,
					4277,4277,4277,	*21*,08,*18*,
					4278,4283	05,00
769	47.7	− 5 39	5.7	5.35	3570,4277	*14*,14
857	47.8	+56 37	7.0	6.89	3555,3559,3920	02,*10*,07
666	47.8	+31 35	3.0	2.76	3563,4282,4283	02,*22*,19
636	47.8	+26 36	7.3	7.54	3918,3922	04,*05*
736	47.9	+59 20	7.0	6.59	3555,3559,3920	*11*,*04*,15
803	48.0	+51 55	6.5	6.88	3555,3920,4270	*01*,18,*18*
684	48.0	− 4 40	7.5	7.57	2842,2846	03,*03*
717	48.0	−16 3	7.2	7.68	2836,2846	16,*17*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
726	48.1	+52 21	6.5	6.70	3555,3559,3920	*10,01*,10
1019	48.1	+48 45	7.0	7.02	3559,3600	*19*,18
550	48.1	+21 38	7.5	7.07	3592,3922,3924, 4277,4277	*16*,03,15, 12,*14*
695	48.2	− 6 55	6.6	6.55	2846,2848,3905	*11*,05,06
673	48.3	+ 1 50	6.7	6.73	3167,3182,3925	*13*,17,*04*
697	48.5	−22 34	7.0	7.22	2827,2851	02,*01*
628	48.6	+62 47	5.2	4.89	3180,3181,4270	*02,11*,12
768	48.6	+60 49	5.8	*5.34*		. . ▲
527	48.7	+16 19	7.0	6.89	3167,3182,3925	*22*,18,05
691	48.7	−18 43	6.0	6.28	2830,2836,3905	*18*,00,17
912	48.8	+47 35	6.0	*5.28*		. . ▲
300	48.9	+67 44	7.5	7.38	3180,3181	*01*,00
683	48.9	−15 16	6.8	7.25	2830,2836	*09*,09
616	49.0	+13 28	7.5	7.82	3167,3182	*05*,05
591	49.1	+30 46	6.5	*6.16*		05, . *04*
138	49.2	+77 54	7.0	7.04	3180,3181	*01*,01
860	49.2	+50 24	5.7	*5.47*		. 00,00
631	49.2	− 3 14	5.0	*4.58*		. . ▲
596	49.3	+ 8 53	7.0	*7.32*		. ▲ .
744	49.3	−12 45	7.5	7.44	2830,2848	07,*07*
679	49.5	+ 1 47	8.0	6.95	3167,3182,3925	*05*,05,01
1945	49.5	−24 55	4.4	*4.76*		. 01,*02*
1619	49.7	−23 26	6.8	6.80	2827,2851,3914	14,*09,05*
773	49.8	− 9 49	7.0	7.05	2846,2848	*04*,04
1455	49.8	−35 2	5.3	5.09	3166,3168,3188, 3211,3213,3214, 3526,3542,3920, 4331	19,*21*,19, 09,*08*,09, *08,01,09*, *08*
768	50.0	+34 47	6.2	*5.48*		*06,04*,09
1326	50.1	−27 58	7.1	6.88	2827,2851,3914	00,00,00
755	50.2	−17 18	7.5	8.00	2848,2849	*19*,18
779	50.4	+41 35	7.0	6.79	3198,3559,3920	*09*,01,08
687	50.4	−15 12	7.0	7.34	2830,2848	02,*01*
855	50.5	+43 2	7.4	7.20	3198,3559,3600, 3602,3920,3924, 3932,4270,4275, 4282	10,13,*05*, 03,09,24, *24,02,17*, *13*
752	50.6	−12 24	6.1	5.96	2830,2836	05,*06*
760	50.7	+57 9	7.0	6.89	3555,3559,3920	*08,03*,11
694	50.8	− 4 49	7.2	7.15	2846,2848,3905, 3925	*11*,05,*03*, 10
718	50.9	+53 42	6.8	6.97	3236,3555,3920	*27*,15,12
605	50.9	+22 12	6.0	*5.80*		. . ▲
1128	50.9	−40 40	6.2	5.67	3188,3213,3214, 3542,4331,4331	*25*,13,05, *06,08*,20
792	51.0	+36 12	7.0	6.88	3563,3604,3895, 4282	*14,11*,29, *03*
1508	51.0	−36 1	7.5	7.56	3185,3192,3562	03,*08*,04
895	51.1	+39 43	3.2	*2.88*		. . ▲
607	51.2	+22 54	7.0	5.98	3918,3922,4282	*13*,11,02
793	51.3	+36 20	7.5	8.21	3563,3922,3922, 3924,3924,3925, 3925,3931,3931, 4282,4282,4283, 4283,4286,4286	04,*07*,06, 08,06,*01*, *08*,07,11, *02,03,10*, 01,00,*10*
669	51.3	+21 2	7.5	6.95	3592,3918,3922	*02,10*,13
778	51.3	−19 44	7.0	7.54	2830,2848	16,*15*
1470	51.3	−35 52	7.5	7.88	3185,3192,3562	23,02,*26*
628	51.4	+ 2 46	7.0	7.40	3167,3182	00,00
1478	51.4	−26 14	7.8	7.48	2851,3185	*14*,15
599	51.5	+24 12	6.8	*6.38*		08, . *08*
773	51.6	+34 32	7.0	6.39	3563,3604,3921	18,*13,04*
564	51.7	+ 5 45	7.0	*6.09*		. 05,*05*
1447	51.7	−33 31	7.5	7.97	3185,3192,3562	09,21,*30*
1515	51.7	−36 37	7.5	7.47	3185,3192,3562	17,05,*22*
1245	51.7	−39 4	6.8	6.77	3185,3192,3562	*09*,05,03
793	51.8	−10 3	6.5	6.21	2830,2848,3905, 3925	*07,02*,02, 07
764	51.8	−11 9	7.2	6.60	2830,2848,3905	01,07,*07*
783	51.8	−13 54	6.8	6.57	2830,2848,3905, 3925	01,*22,07*, 28
827	51.9	+38 33	6.5	6.41	3563,3604,3922	02,*08*,07
1642	51.9	−23 43	7.9	8.26	3185,3192,3213	*19*,06,14
1024	52.0	+48 28	7.5	7.62	3198,3600	08,*08*
1564	52.1	−29 57	7.5	7.60	2851,3185	*08*,09
1653	52.3	−25 28	7.2	6.93	2851,3185,3914	01,10,*12*
594	52.4	+23 48	7.3	7.07	3592,3918,3922	*06,09*,15
775	52.5	+35 30	4.2	4.01	3921,4282,4283	00,00,*01*
1253	52.9	−39 15	7.0	6.77	3185,3192,3562	*01*,13,*12*
655	53.0	+26 55	6.8	7.38	3918,3922,3924	*09,04*,13
1981	53.0	−24 56	7.3	7.16	2851,3185	00,*01*
160	53.1	+76 8	7.5	*7.67*		▲ . .
829	53.1	+38 31	6.8	6.38	3563,3604,3922	*01,16*,16
603	53.2	+24 46	9.0	9.15	3192,3198	25,*25*
685	53.2	+ 1 10	7.4	*7.89*		▲ . .
125	53.3	+80 26	4.9	*5.26*		*09*, . 10
839	53.4	+55 45	7.5	7.07	3559,3602	*06*,06
904	53.4	+39 44	7.4	6.72	3922,3931	08,*08*
781	53.4	−13 48	3	*3.38*		. *04*,03
650	53.6	− 2 56	7.1	7.14	2846,2848	*27*,28
706	53.6	− 3 56	7.5	7.30	2846,2848	17,*18*
621	53.7	+13 44	6.8	*7.33*		. ▲ .
722	53.8	+53 35	6.8	7.35	3236,3559	15,*15*
792	53.8	+41 59	7.5	7.90	3198,3236	00,00
789	53.9	− 5 45	6.0	*6.05*		04, . *04*
1996	54.0	−24 14	8.6	8.95	4286,4286,4287, 4287,4289,4289	*13,16*,09, 49,*25,08*
643	54.1	+62 9	7.5	7.28	3180,3181	19,*20*
927	54.2	+47 10	7.3	7.31	3236,3600	*01*,01

3^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
524	54.2	+10 2	6.9	6.56	3925,3931	*19*,18
857	54.5	+38 6	7.8	7.61	3563,3604	18,*18*
909	54.6	+39 50	7.0	*7.22*		A . .
805	54.7	+36 44	7.5	6.33	3563,3574,3895,3895,3905,3905,3914,3914,3918,3918,3920,3920,4287,4287,4289,4289,4291,4291,4297,4297,4314,4314	05,*09*,04,*02*,*04*,*06*,*19*,*11*,*05*,*22*,10,*07*,25,38,12,*13*,01,17,13,*02*,*24*,07
766	54.8	−12 51	5.5	*5.90*		. 11,*10*
844	54.9	+55 58	7.5	7.78	3236,3559	02,*02*
544	54.9	+17 0	6.5	6.30	3167,3182,3925	*13*,*03*,17
832	55.0	+38 23	7.3	7.58	3563,3604	18,*19*
627	55.0	+13 37	7.0	7.52	3167,3182	*05*,05
755	55.0	−20 37	7.2	7.67	3185,3192	*13*,13
911	55.1	+39 42	7.3	*7.27*		A . .
617	55.1	+22 57	7.5	6.54	3592,3918,3922	00,02,*03*
666	55.1	+17 55	6.0	*5.84*		. . A
186	55.2	+74 22	6.4	6.80	3924,3932	*11*,12
210	55.3	+73 42	6.4	6.72	3180,3181,3924	01,*07*,05
795	55.3	+41 34	7.5	8.00	3198,3236	00,00
609	55.3	+28 13	6.7	6.99	3918,3922,3924	08,*03*,*04*
643	55.3	+19 55	7.0	*6.88*		07, . *06*
717	55.3	−18 11	7.5	7.70	2848,2849	01,*02*
796	55.5	−19 31	6.8	*7.09*		A . .
2022	55.7	−24 18	4.4	*4.67*		. 05,*05*
834	55.8	+38 49	7.3	7.62	3563,3604	08,*09*
303	55.9	+68 24	6.0	6.06	3181,3924,4270	02,11,*12*
665	56.1	+62 3	7.3	7.68	3180,3181	09,*10*
690	56.1	+58 53	5.0	5.13	3236,4270,4275	07,16,*22*
1029	56.1	+48 34	7.0	6.93	3198,3600,3924	07,*14*,06
618	56.1	+27 52	7.5	7.48	3918,3922	*05*,06
798	56.3	+41 39	7.5	7.65	3198,3236	05,*05*
528	56.4	+ 9 43	5.8	5.60	3931,4271,4278	*02*,09,*06*
810	56.5	+36 51	7.0	7.45	3563,3574,3905,3905,3918,3918,3920,3920,4291,4291	*06*,*10*,00,*20*,03,13,05,01,09,04
572	56.5	− 1 50	5.5	5.27	3905,4271	01,*01*
758	56.5	−21 0	7.5	8.04	2851,2862	11,*10*
866	56.6	+37 47	7.0	7.87	3563,3895,3922	*20*,18,03
734	56.7	+54 48	7.0	6.62	3924,3932	01,*02*
1597	56.7	−30 46	5.9	5.82	3167,3168,3185,3188,3196,3211,3213,3214,3217,3219,3236,3542,3924,3969,4327,4331	01,*16*,*05*,*12*,*12*,16,16,*10*,13,00,05,05,*16*,14,03,*03*
798	56.8	+34 33	7.5	7.67	3607,3931	02,*02*
727	56.9	−22 33	7.0	7.19	2851,2862	02,*02*
1521	57.1	−26 48	7.3	7.46	2851,3185	16,*16*
146	57.2	+78 46	7.2	7.19	3180,3181	04,*04*
667	57.2	+61 32	7.5	7.92	3180,3181	*05*,06
552	57.2	+ 8 34	7.7	6.91	3167,3182,3925	*01*,09,*08*
391	57.3	+65 14	6.6	6.00	3180,3193,4270	07,*04*,*02*
668	57.3	+61 20	7.5	7.72	3180,3181	*05*,06
728	57.3	−18 38	7.3	7.78	2848,2849	*09*,08
669	57.4	+61 48	7.0	6.75	3181,3193,3924	13,*09*,*03*
918	57.4	+39 14	7.0	7.18	3604,3895,3922	*20*,32,*12*
480	57.5	+63 28	7.0	7.57	3181,3193	11,*11*
623	57.5	+ 8 57	8.0	*6.85*		. A .
632	57.5	− 0 33	6.2	*5.40*		08, . *08*
574	57.6	− 1 4	7.2	6.84	2846,2848,3905	*07*,*02*,09
764	57.6	−21 18	7.0	7.52	2851,3185	*19*,19
212	57.7	+73 18	6.5	6.88	3181,3193,3534,3547	*03*,08,*03*,02
836	57.7	+38 31	7.4	7.53	3604,3895	*16*,16
625	57.7	+ 8 37	7.0	6.97	2831,3167,3182	*03*,*13*,16
581	57.8	+ 5 43	4.0	3.85	3167,3182,4271	*01*,08,*07*
796	58.0	+35 39	7.3	7.94	3895,3922	14,*14*
641	58.1	+ 2 55	7.7	7.35	3167,3182	*05*,05
640	58.1	+ 2 47	7.8	7.05	3167,3182	*05*,05
800	58.1	−19 46	7.3	*7.88*		A . .
276	58.2	+71 5	7.5	7.49	3181,3193,3534,3547	*11*,*03*,03,10
1491	58.2	−34 46	6.7	6.69	3185,3192,3562	*02*,18,*17*
714	58.3	+32 18	6.5	6.70	3607,3895,3921	02,*02*,01
1379	58.3	−28 49	7.4	7.55	2851,3185	01,*01*
609	58.4	+28 50	6.0	5.63	3592,3918,4282	*04*,03,00
584	58.4	+ 5 9	6.2	5.23	2831,4271,4278	*02*,01,02
592	58.5	+ 7 55	5.9	*5.45*		. 04,*04*
736	58.5	−22 52	7.0	6.89	2851,2862,3914	12,*12*,00
1517	58.6	−27 46	7.4	7.39	2851,3185	01,*01*
921	58.7	+40 2	7.5	*7.87*		A . .
732	58.8	+58 45	6.0	6.40	3236,4270,4275	10,01,*12*
585	58.8	+21 49	5.0	*4.54*		. . A
840	58.9	+46 40	7.2	6.63	3236,3602,3924	07,*09*,03
645	58.9	+ 2 33	5.8	5.44	3182,4271,4278	06,*10*,05
676	59.0	+17 15	6.5	6.84	3167,3182,3925	*07*,13,*06*
769	59.0	−20 25	6.0	*6.39*		12, . *12*
676	59.1	+62 4	6.5	6.27	3181,3181,3193	01,11,*11*
1101	59.1	+50 5	4.2	4.30	3559,4270,4275	05,04,*08*
876	59.1	+37 30	7.3	7.75	3563,3604	07,*07*
810	59.1	− 4 52	7.0	7.54	2848,2849	*04*,05
776	59.2	+33 59	7.3	6.61	3607,3610,3895,3895,3905,3905,3914,3914,3918,3918,4282,4282,	*19*,*03*,R,R,*02*,23,*05*,*19*,*08*,07,31,*01*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					4283,4283,4286,	*02*,22,*18*,	681	1.9	+61 28	7.5	8.17	3193,3193,3196	19,*01*,*19*
					4286	*11*	882	1.9	+37 47	5.5	5.52	3563,3604,4282	10,*10*,01
700	59.2	+31 14	7.2	7.43	3607,3895,4282,	*15*, R ,*18*,	726	1.9	+32 12	7.5	7.40	3607,3610	*06*,06
					4283,4286	*12*,41	820	1.9	−19 46	7.3	*7.63*		A . .
770	59.2	−20 26	7.0	*7.07*		. . A	147	2.0	+81 44	7.5	*7.33*		A . .
2062	59.3	−24 44	7.3	7.66	2851,3185	*10*,09	657	2.0	+14 54	6.5	5.87	3167,4271,4278	20,*11*,*08*
1535	59.3	−26 8	7.1	6.83	2851,3196,3914	01,*02*,00	752	2.1	−18 19	6.4	6.76	2860,4905	*06*,06
587	59.4	+21 44	6.5	6.06	3570,4282,4283	*08*,10,*01*	818	2.2	+41 15	7.0	6.90	3559,3600,3901	07,*13*,05
892	59.5	+43 9	7.3	7.46	3236,3600	14,*14*	*560*	2.3	+17 4	5.6	6.06	4331,4331,4334,	*05*,*06*,17,
770	59.5	−16 51	6.2	*6.49*		. . A						4334,4338,4338	13,02,*19*
1303	59.6	−39 39	7.4	7.46	3185,3192,3562	03,*14*,10	559	2.3	+16 16	7.5	7.52	3182,3186	05,*05*
806	59.7	−13 4	5.9	*5.76*		. . A	839	2.3	−10 16	6.7	6.97	2848,2857,3905	02,*05*,02
798	59.9	− 2 42	6.8	7.12	2848,2849,2860	10,*01*,*10*	822	2.5	− 6 17	7.0	6.87	2848,2849,3905	*17*,12,04
310	0.0	+68 7	7.4	7.32	3181,3193	*04*,04	841	2.5	−10 2	7.2	6.99	2848,2857,3905	10,*17*,06
675	0.0	+25 56	7.5	7.49	3570,3592	09,*09*	239	2.6	+71 52	6.3	6.15	3547,4270,4275	04,*02*,*02*
1584	0.1	−37 21	6.9	7.13	2841,3185,3185,	*14*,15,05,	678	2.6	+25 38	7.5	7.40	3570,3592	00,01
					3562	*06*	754	2.6	−22 15	6.3	6.58	2851,2865,3914	*05*,*10*,14
861	0.2	+51 11	7.5	7.49	3236,3559	01,*01*	310	2.8	+68 16	6.5	6.47	3193,4270,4275	29,01,*29*
640	0.2	− 0 50	7.5	7.06	2848,2849	06,*05*	807	2.8	+35 47	7.0	7.71	3563,3604	02,*02*
703	0.3	+32 6	6.5	6.87	3607,3610,3921	*03*,01,03	662	2.9	+62 47	7.3	7.42	3181,3193	*14*,14
532	0.3	+ 9 46	7.2	6.80	2831,4271	*06*,05	767	2.9	+59 50	7.5	*7.96*		A . .
774	0.3	−20 38	6.0	6.19	3925	A	624	2.9	+23 40	7.2	7.04	3570,3592	09,*10*
633	0.5	+27 21	5.1	5.30	3922,4282,4283	*04*,01,03	637	3.0	+22 52	7.0	6.81	3570,3918,3922	07,*13*,09
785	0.6	+33 11	7.0	6.61	3607,3610,3921	*01*,07,*07*	*561*	3.1	+17 1	8.0	7.60	4331,4331,4331,	*07*,*13*,*10*,
672	0.6	+30 0	7.5	*8.01*		A . .						4331,4334,4334,	*02*,09,06,
1714	0.7	−25 47	8.0	8.41	2851,3192	*07*,07						4334,4334,4338,	16,02,*09*,
619	0.8	+28 44	5.4	*5.34*		. 12,*11*						4338	08
581	0.8	+18 53	7.5	7.62	3182,3186	15,*15*	714	3.3	+31 22	7.0	6.94	3607,3610,3921	*09*,00,09
759	0.9	+59 40	6.5	6.46	3901,3924	07,*06*	672	3.3	+19 21	6.2	5.53	3186,4271,4278	04,*05*,00
771	0.9	+53 6	7.1	7.29	3901,4270,4275	*02*,13,*12*	543	3.3	+ 9 49	6.5	7.02	2831,4271	02,*02*
777	0.9	−21 43	7.5	8.10	2851,3192	*07*,08	648	3.4	+13 8	6.3	*6.02*		. 14,*15*
1636	0.9	−30 30	7.5	7.77	2841,3185,3562	*20*,22,*03*	848	3.6	+38 59	6.8	6.84	3563,3604,3921,	22,*34*,32,
878	1.0	+37 49	6.9	7.10	3563,3604	14,*14*						4275,4282,4283	*14*,*34*,28
127	1.1	+80 17	6.8	*6.63*		A . .	627	3.7	+28 48	7.5	7.22	3570,3592	*09*,09
708	1.1	+58 18	7.5	7.02	3236,3559	08,*09*	281	3.8	+70 58	7.0	7.92	3181,3193	06,*06*
896	1.1	+42 56	6.7	7.12	3559,3600	*03*,02	248	4.0	+69 16	7.5	7.27	3181,3193	*09*,09
811	1.1	− 9 8	6.3	6.14	2848,2849,3905,	05,*07*,*02*,	850	4.0	+38 13	7.5	7.80	3563,3604	00,*01*
					3925	04	1618	4.0	−37 20	7.0	6.71	2841,3562,3914	*12*,22,*10*
834	1.1	−10 34	6.8	*7.30*		A . .	887	4.1	+45 9	7.4	*7.77*		A . .
862	1.2	+44 25	7.5	7.64	3559,3600	10,*09*	637	4.1	+ 6 28	7.2	6.74	2831,3168,3182	00,*10*,09
1108	1.3	+49 56	7.3	6.98	3901,3924	20,*21*	632	4.3	+23 42	7.5	7.30	3570,3592	03,*02*
897	1.3	+42 56	6.5	6.67	3559,3600,3901	*18*,15,04	826	4.4	+41 29	7.0	7.04	3559,3600,3901	*08*,*10*,18
939	1.4	+47 27	4.5	*3.89*		. 01,*01*	*655*	4.5	+ 3 3	7.1	6.51	2831,3168,3182	*20*,00,21
780	1.4	−20 47	7.0	6.42	2865,3914,3925	*02*,*03*,05	798	4.5	− 8 12	7.2	7.28	2848,2849	01,*01*
1540	1.4	−27 56	5.8	5.52	3195,4277	16,*17*	1569	4.5	−33 7	7.1	7.13	2841,3192,3544,	*24*,07,02,
740	1.5	+54 34	6.0	6.23	3236,3555,4270	07,*08*,01						3914	16
815	1.5	+41 14	7.5	7.64	3559,3600	16,*16*	807	4.6	+33 19	6.2	5.83	3563,3604,4275	11,07,*18*
881	1.7	+37 28	6.0	*6.17*		. . A	903	4.7	+40 39	7.0	7.14	3604,3610	*08*,09
1687	1.7	−31 19	6.9	6.75	2841,3185,3562	*15*,10,05	686	4.7	+26 13	5.8	*5.47*		. . A
881	1.8	+45 58	7.3	7.07	3236,3600	*07*,07	796	4.7	−16 39	5.5	5.63	3186,4271	23,*23*

4^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
696	4.8	− 3 50	6.5	6.80	2848,2849,3905	*08*,01,08	1063	7.6	+48 9	4.2	*4.30*		. 00,00
801	4.8	− 8 10	7.2	7.08	2848,2849	11,*11*	*113*	8.0	+83 6	5.0	*5.66*		00, . 01
1532	4.8	−34 23	7.5	8.05	3192,3195,3925	*05*,10,*04*	847	8.0	− 6 38	7.3	7.10	2848,2849	00,*01*
745	4.9	+54 9	7.5	7.76	3236,3555	*06*,07	316	8.1	+66 51	7.4	6.94	3181,3196,3924	14,*06*,*09*
594	4.9	+18 10	6.5	6.62	3182,3186,3925	05,*05*,00	687	8.1	+61 36	5.5	5.66	3166,3167,3181,	*09*,10,02,
104	5.0	+83 34	5.0	*5.40*		*21*, . 21						3190,3192,3193,	*08*,11,30,
63	5.1	+85 17	6.5	*6.71*		*07*, . 07						3195,3198,3213,	*09*,*09*,10,
810	5.1	−12 50	7.3	7.50	2857,2860	06,*06*						3217,3218,3219,	00,11,11,
592	5.2	+15 42	7.5	7.17	3182,3186	*10*,10						3221,3236,3534,	*09*,*18*,10,
567	5.4	+16 22	6.5	7.02	3182,3186	15,*15*						3542,3544,3550,	*14*,09,*18*,
829	5.5	+35 5	7.0	*7.62*		A . .						3555,3559,3575,	04,00,*24*,
758	5.5	− 7 11	6.1	5.76	3186	A						3602,3610,3612,	*09*,15,19,
836	5.5	−19 16	7.0	7.25	2857,2860	12,*12*						3614,3615,3905,	19,24,*21*,
835	5.5	−19 33	6.5	*7.09*		A . .						3918,3920,3922,	*12*,00,*06*,
150	5.6	+77 50	7.0	7.08	3181,3193	07,*07*						3932,3937,3948,	*02*,13,*16*,
830	5.7	+41 52	7.3	7.60	3559,3600	03,*03*						3957,3966,3967,	*11*,18,04,
1754	5.7	−25 18	7.3	7.03	2851,2865	03,*03*						3969,3975,4270,	*17*,18,*04*,
841	5.8	− 5 8	7.3	*7.50*		A . .						4270,4271,4282,	06,*06*,*20*,
1581	5.8	−33 14	7.8	7.45	2841,3192,3544	*19*,13,06						4286,4287,4291,	*03*,38,*02*,
733	5.9	−15 18	7.5	*7.48*		A . .						4327,4331,4334,	*01*,*20*,06,
601	6.0	+ 5 16	6.0	*5.73*		*02*, . 02						4338	02
837	6.0	− 9 5	6.0	*6.00*		04, . *04*	912	8.1	+40 14	4.8	*4.86*		06, . *06*
1059	6.3	+48 49	7.0	7.28	3559,3600	*16*,17	549	8.1	+ 9 58	7.2	6.18	3925,3943	15,*15*
1545	6.3	−34 46	7.3	7.36	2841,3192,3544	*15*,22,*06*	651	8.1	+ 8 38	6.8	6.45	3168,3182,3925	*21*,08,12
286	6.4	+70 12	7.3	*7.79*		A . .	173	8.2	+75 52	6.8	6.74	3924,3932	04,*05*
749	6.5	+54 15	7.0	7.10	3236,3555	*10*,10	890	8.2	+44 31	7.5	7.23	3198,3559	07,*07*
642	6.5	+23 20	7.5	7.20	3570,3592	*04*,03	617	8.2	+ 7 28	5.5	*5.39*		. 11,*11*
653	6.5	− 0 41	7.2	6.75	2848,2849,3905	*03*,06,*02*	771	8.2	− 4 8	7.4	7.74	2848,2849	*14*,15
1763	6.5	−25 21	7.6	7.28	2851,2865	*02*,02	1696	8.2	−30 42	7.7	7.95	2841,3192,3544	*31*,15,15
743	6.6	+32 16	6.5	6.88	3604,3607,3924	*06*,*07*,14	899	8.3	+37 17	6.2	6.58	3610,3614,3921	02,04,*05*
569	6.8	+17 2	6.0	*6.17*		. . A	564	8.3	+12 30	6.0	*6.44*		. 12,*13*
807	6.8	−16 14	7.2	7.12	2860,3186	*05*,04	857	8.4	+36 15	6.8	7.54	3610,3921,3922	*24*,23,00
785	6.9	+57 13	6.5	6.09	3559,3602,3901	02,*08*,05	648	8.5	+23 27	7.0	7.05	3218,3570	12,*12*
956	7.0	+39 26	7.0	7.65	3563,3610	02,*02*	*652*	8.5	+ 9 1	4.7	*4.99*		. 00,00
649	7.0	+22 9	6.0	6.13	3570,3918,4275	20,*04*,*15*	1739	8.5	−31 50	7.3	7.47	3192,3195,3562	08,09,*16*
710	7.0	+ 0 29	7.5	6.73	3925,3943	10,*10*	657	8.6	+22 12	7.0	7.00	3218,3570,3918	*03*,*02*,05
764	7.0	− 7 6	4.4	4.52	3905	A	600	8.6	− 1 24	7.5	6.34	2849,2860,2868,	*03*,18,*13*,
1588	7.0	−35 32	6.7	6.46	2841,3192,3544	*01*,06,*05*						3186,3188,3190,	*05*,06,07,
217	7.1	+72 9	7.5	7.78	3181,3193	*03*,03						3542,3905,3905,	17,*09*,*09*,
843	7.1	− 9 6	7.0	6.59	2846,2848,3905	02,00,*03*						3914,3914,3918,	*02*,*20*,18,
801	7.2	−20 37	6.1	*5.87*		*05*,10,*04*						3918	*05*
861	7.4	+38 13	6.7	7.42	3610,3921,3922	00,08,*08*	2153	8.6	−24 5	6.8	6.73	2851,2862,3914	15,*10*,*05*
897	7.4	+37 43	6.0	6.51	3563,3921,4275	*01*,14,*12*	672	8.7	+14 18	7.5	7.92	3182,3186	05,*05*
763	7.4	− 4 40	7.0	6.89	3905,3925	*05*,05	*583*	8.7	+12 5	7.0	*6.90*		. A .
R	7.4	−42 15	. .	4.82	3167,3188,3217,	*31*,*24*,38,	787	8.8	+57 37	6.0	5.74	3602,4270,4275	10,*14*,05
					3236,3542,3550,	30,*09*,*06*,	673	8.8	+14 22	8.5	8.47	3182,3186	20,*20*
					3563,3924,3969,	*04*,*19*,*13*,	1810	8.8	−23 23	6.6	6.64	2851,2862,3914	17,*07*,*10*
					4277,4327,4331	38,*10*,04	1631	8.8	−36 24	7.5	7.09	3185,3192,3562	07,*04*,*03*
941	7.5	+50 26	7.4	*7.72*		A . .	*690*	8.9	+62 6	7.0	7.37	3196,3214	01,*01*
816	7.5	−17 32	6.3	6.58	2857,2860,3905	02,02,*04*	750	8.9	+58 22	5.0	5.11	3574,4270,4275	*04*,*07*,10

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
678	8.9	+29 39	7.0	*7.26*		A . .
1457	8.9	−28 48	7.5	7.44	2862,2865,3198, 3213,3214,3914, 3914,3918,3918, 3921,3921,4283, 4283,4287,4287, 4289,4289	*34*,04,*11*, *11*,04,*14*, 03,*13*,*14*, 00,24,03, 07,20,30, *06*,15
78	9.0	+84 14	7.5	*7.41*		A . .
899	9.0	+45 53	7.5	8.08	3198,3559	12,*13*
899	9.2	+56 56	7.3	6.57	3602,3604,3901	01,*15*,13
550	9.2	+ 9 46	5.7	5.17	3925,3943,4271	23,*14*,*10*
1614	9.2	−33 3	7.1	7.06	3192,3195,3914	24,03,*27*
692	9.3	+61 40	7.3	7.37	3196,3214	11,*11*
814	9.5	−16 15	7.2	7.65	2857.2860	*22*,22
133	9.6	+80 35	5.7	*5.53*		10, . *10*
727	9.6	+58 32	7.1	6.91	3559,3602,3901	09,*10*,00
737	9.6	+31 27	7.3	7.40	3604,3607	*03*,02
867	9.6	−10 30	4.8	*5.24*		14, . *15*
963	9.7	+50 37	7.0	6.85	3901,3924,3932	13,*05*,*08*
848	9.7	+34 38	7.3	*7.72*		A . .
962	9.8	+39 47	7.5	*7.97*		A . .
792	10.0	+60 14	7.0	*7.41*		A . .
860	10.0	+36 16	7.5	8.34	3610,3921	17,*17*
905	10.1	+45 57	7.0	7.17	3198,3559	*07*,07
603	10.1	+15 9	6.3	*6.33*		16, . *16*
657	10.1	+ 8 39	4.5	*4.34*		. 05,*05*
613	10.1	+ 5 57	8.5	6.92	3186,3188,3925	23,*17*,*06*
1710	10.1	−30 22	7.3	7.18	2837,2841,3544, 3562	02,08,09, *13*
1671	10.1	−32 18	7.3	7.14	3192,3195,3914, 4331	28,*01*,*03*, *25*
614	10.2	+ 5 57	7.5	6.30	3186,3188,4271	15,05,*19*
1664	10.3	−37 17	7.0	6.98	2841,3185,3562	01,10,*11*
817	10.4	−16 26	7.0	7.35	2857,2860	*12*,12
666	10.5	− 0 16	7.5	7.86	2849,2860	*05*,06
1150	10.7	+50 3	4.8	4.50	3559,3901,4270	02,*07*,06
780	10.7	− 7 49	4.7	*4.46*		. . A
R	10.7	−42 32	. .	3.77	3167,3213,3217, 3236,3542,3550, 3563,3577,3924, 3969,4277,4327, 4331	*19*, R ,09, 36,*08*,*25*, *08*,*04*,*20*, 03,04,04, 28
899	10.8	+51 46	7.3	7.68	3559,3602	09,*08*
1490	10.8	−38 31	7.1	6.87	2837,2841,3544	09,*10*,02
721	10.9	+ 0 12	7.5	*7.18*		A . .
820	10.9	−16 42	7.0	6.89	2857,2860,3905	*06*,18,*11*
935	11.0	+43 26	7.0	7.72	3198,3559	08,*08*
1719	11.1	−30 19	7.5	7.42	2837,2841,3544, 3562	19,*05*,*01*, *14*
433	11.2	+64 54	6.0	*5.36*		. *01*,01
844	11.2	+41 54	6.4	6.12	3574,3600,3901	*12*,05,07
607	11.2	+15 58	7.1	6.84	3182,3188,3925	03,*06*,03
863	11.3	−18 53	7.0	7.17	2857,2860	*10*,10
938	11.4	+43 29	7.0	7.43	3198,3559	17,*17*
724	11.4	+20 20	5.7	4.84	3218,3542,4275	*07*,31,*25*
1683	11.4	−32 2	8.3	8.15	2837,3192,3562	07,*10*,04
1836	11.5	−23 29	6.7	6.61	2862,2865,3914	*14*,14,01
787	11.6	−22 24	6.8	6.80	2862,2865,3914	*19*,08,12
1677	11.6	−37 27	6.8	6.62	2837,2841,3544	*11*,*07*,17
1155	11.7	+49 48	6.0	5.56	3901,4270,4275	*07*,01,06
1652	11.7	−36 27	7.5	7.46	3192,3195,3544	*01*,*13*,13
1497	11.7	−38 33	7.1	6.88	2837,2841,3544	28,*11*,*16*
882	11.8	−10 20	7.5	*7.52*		09,*09* .
795	11.8	−18 7	7.2	7.70	2857,2860	00,00
134	11.9	+80 42	7.4	*7.17*		A . .
866	11.9	+36 37	7.5	7.92	3610,3921	04,*05*
840	11.9	+35 45	7.3	8.30	3610,3921	*03*,03
765	11.9	+32 9	7.4	7.58	3607,3610,3921, 3922,3924	*08*, R ,05, 05,00
659	12.1	+13 36	6.5	7.02	3182,3188	15,*14*
938	12.3	+42 9	7.1	6.88	3574,3600,3901	13,02,*14*
670	12.3	+22 34	7.5	7.48	3218,3570	09,*09*
618	12.4	+21 20	6.0	*5.62*		. 10,*09*
862	12.4	− 6 43	6.8	*6.07*		. . A
973	12.6	+50 41	6.1	5.51	3901,4270,4275	*06*,13,*06*
909	12.8	+37 46	7.0	7.34	3610,3614	*04*,03
558	13.0	+ 9 15	7.3	*6.49*		. A .
1410	13.0	−39 8	7.3	6.95	2837,3185,3544	*11*,11,00
800	13.1	+60 30	5.7	*5.65*		. *02*,02
852	13.4	+41 35	6.5	6.12	3574,3600,3901	*02*,*06*,07
939	13.5	+43 0	7.5	7.42	3574,3600	*02*,03
733	13.5	+20 55	6.2	*5.32*		*10*, . 10
661	13.5	+13 28	7.0	7.72	3182,3188	05,*04*
623	13.6	+21 32	5.8	*5.23*		. . A
905	13.7	+56 16	6.3	*5.87*		. . A
866	13.7	−14 53	6.8	6.88	3905,3925	04,*03*
672	13.8	+23 31	7.5	7.46	3218,3542	01,*01*
860	13.9	+34 20	5.0	5.12	3575,3921,4275	*04*,09,*06*
757	13.9	+31 44	6.3	6.35	3575,3607,3921	*02*,06,*05*
592	14.0	+11 43	7.5	7.64	3182,3188	*01*,01
831	14.0	−20 57	6.2	*6.36*		. . A
675	14.1	+23 21	7.5	7.46	3218,3542	01,*01*
612	14.1	+15 23	3.8	*3.86*		. 05,*04*
1614	14.1	−34 3	3.3	3.55	3186,3190,3192, 3196,3217,3219, 3544,3550,3562, 3563,3577,3921, 3922,3924,3937, 3966,3969,3975, 4277,4327,4331	*09*,47,17, *05*,10,*02*, *04*,28,30, *40*,05,*19*, *11*,*10*,*08*, 01,05,*15*, *01*,16,*24*

4^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1613	14.1	−34 26	7.5	7.28	2837,3192,3562	*14*,12,03	*806*	16.0	− 3 57	7.3	7.62	2849,2860	*21*,20
876	14.2	+38 20	7.4	7.64	3575,3610	06,*07*	667	16.1	+13 21	7.5	7.34	2859,3182,3188	*07*,03,04
655	14.2	+27 7	5.5	4.99	3542,4275,4282	10,*01*,*08*	842	16.1	−21 34	7.3	8.00	2865,3195	*02*,03
579	14.2	+16 18	7.3	*6.86*		. A .	R	16.1	−44 30	. .	5.10	3186,3542,3550,	*21*,*12*,*01*,
562	14.2	+ 9 53	6.5	*6.62*		. A .						3563,3921,3922,	*12*,08,*13*,
1165	14.3	+49 48	7.5	*7.37*		A . .						3966,3969	45,06
872	14.3	+46 16	5.1	4.83	3600,4270,4275	06,*01*,*06*	778	16.2	+32 14	7.5	7.46	3575,3607	10,*11*
663	14.3	+13 48	5.7	5.64	3182,3188,4271	13,*06*,*08*	856	16.2	−17 4	7.0	7.32	2857,3186	08,*09*
802	14.3	−17 57	7.0	7.70	2857,2860	00,00	764	16.3	+58 17	7.0	7.01	3559,3602,3901	*10*,09,02
793	14.4	+59 23	6.5	6.09	3550,3600,3920	11,*17*,07	687	16.3	− 0 19	6.3	*6.08*		05, . *06*
876	14.4	+36 21	7.3	7.60	3575,3610	*24*,23	831	16.3	−20 52	5.0	*5.33*		03, . *03*
1856	14.4	−23 13	6.2	6.15	3192	A	668	16.4	+13 50	5.7	5.78	3182,3188	*01*,00
803	14.5	−18 5	7.0	7.50	2857,2860	*10*,10	885	16.4	−19 34	7.3	*7.29*		A . .
912	14.6	+38 1	7.5	7.93	3575,3610	07,*07*	919	16.5	+51 42	6.6	6.83	3550,3559,3901	*12*,*11*,22
624	14.6	+18 29	6.0	6.00	3213,4271,4278	*13*,25,*13*	707	16.5	+25 28	5.7	*5.30*		. . A
829	14.7	− 8 21	7.3	6.94	2849,2860,3905	*17*,24,*07*	744	16.5	+20 35	6.5	6.07	3542,3570,4275	07,07,*13*
1520	14.8	−38 21	8.3	7.90	2841,3185,3544	*19*,07,12	692	16.5	+ 2 10	7.5	6.92	3168,3182,3925	*01*,*02*,02
913	14.9	+51 42	7.5	7.78	3550,3559	09,*10*	946	16.6	+42 12	6.5	5.98	3574,3600,3901	*01*,*08*,10
863	14.9	+34 20	7.5	7.67	3575,3921	22,*22*	878	16.6	− 6 18	7.3	7.29	2849,2860,3542,	*20*,36,04,
682	14.9	+14 52	5.9	5.36	4271,4278	02,*03*						3562,3563	*16*,*05*
799	15.0	− 4 40	7.3	*7.85*		A . .	858	16.7	+35 49	7.3	8.15	3610,3614	08,*08*
980	15.2	+39 42	7.4	*7.32*		A . .	879	16.7	− 6 31	7.2	6.57	2849,2860,3925	*08*,08,00
656	15.2	+27 7	7.5	7.70	3542,3570	04,*04*	845	16.8	−21 29	7.2	7.66	2865,3195	*08*,07
665	15.2	+13 38	6.5	6.14	2859,3182,3188	*07*,13,*06*	986	16.9	+50 37	6.9	6.84	3901,3920	*03*,04
801	15.2	− 3 58	7.5	7.96	2849,2860	*15*,16	881	16.9	−14 31	7.5	*8.01*		A . .
858	15.2	−12 38	6.5	6.92	2857,3186,4271	07,*11*,05	860	17.0	+35 40	6.5	7.14	3575,4275	04,*05*
1626	15.2	−34 8	6.7	6.34	2841,3190,3562	04,08,*12*	712	17.2	+17 18	3.7	*3.90*		. 04,*03*
707	15.3	+61 48	6.7	6.92	3196,3214	*04*,04	*889*	17.2	− 4 54	7.1	7.57	2849,2860	*08*,08
631	15.3	+ 5 54	6.5	*5.86*		. 05,*05*	*1642*	17.3	−25 57	6.2	5.88	2862,2865,3914	*13*,20,*07*
867	15.3	− 2 52	6.7	7.30	2849,3186	*09*,09	*872*	17.4	+35 1	7.5	*7.77*		A . .
672	15.4	+ 8 59	7.0	6.45	3168,3182,3925	*11*,*02*,14	809	17.4	−22 0	7.2	7.60	2865,3195	*12*,13
854	15.4	−17 42	7.2	7.92	2857,3186	*12*,11	861	17.5	+41 30	7.0	6.88	3574,3600,3901	*03*,*02*,05
1629	15.4	−26 12	7.3	7.66	2862,2865	*11*,12	654	17.5	+24 11	7.3	7.23	3542,3570	*11*,11
619	15.5	− 1 32	7.5	6.73	2849,2868,3186,	*02*,*12*,*04*,	751	17.6	+20 45	6.2	*5.94*		11, . *10*
					3186,3188,3190,	*04*,17,*12*,	1715	17.6	−37 46	8.0	7.74	3198,3213,3221	07,*13*,07
					3542,3905,3905,	04,16,06,	586	17.7	+16 32	6.0	5.66	3182,4271,4278	11,*01*,*09*
					3914,3914,3918,	*18*,01,*03*,	*874*	17.8	+35 1	7.2	*7.77*		A . .
					3918	05	601	17.8	+11 9	6.8	*6.90*		. A .
1842	15.5	−25 16	7.1	*6.96*		. 00,*01*	*851*	17.9	+34 5	6.9	*6.95*		. A .
951	15.6	+43 13	7.5	7.72	3574,3600	12,*11*	853	18.0	+33 54	6.0	5.66	3607,3922,4275	*19*,03,15
740	15.6	+20 49	7.0	6.88	3542,3570,3918	*06*,*07*,13	*684*	18.0	+24 4	6.5	*6.15*		. 01,*01*
838	15.6	−16 40	6.8	6.65	2857,3186,3905	*02*,01,00	854	18.1	+33 44	6.0	5.85	3607,3922,4275	11,04,*14*
741	15.7	+20 57	7.2	7.05	3542,3570	02,*02*	931	18.2	+45 56	7.5	7.16	3574,3600	*04*,03
629	15.7	+18 11	7.0	6.74	3859,3182,3188	03,13,*16*	1539	18.2	−38 1	7.1	6.77	3185,3190,3544	14,14,*27*
875	15.7	− 6 29	6.8	6.48	3186,4271	*02*,02	895	18.3	− 5 14	7.5	*7.70*		A . .
250	15.8	+71 32	7.5	7.52	3196,3214	16,*16*	714	18.4	+17 13	4.8	*4.94*		. . A
880	15.8	+36 41	7.0	8.04	3575,3610	02,*01*	570	18.4	+ 9 14	5.2	*5.01*		. . A
704	15.9	+19 13	8.7	8.21	2859,3188,3213	*14*,16,*04*	584	18.5	+12 45	7.4	7.74	2859,3168,3182	01,*10*,09
687	15.9	+14 11	7.4	6.71	2859,3182,3188	06,06,*13*	*846*	18.5	− 7 55	7.5	7.48	2849,2860	*21*,20
798	15.9	− 7 50	6.3	*5.80*		. . A	800	18.7	+57 22	6.9	6.23	3559,3602,3604	*02*,*06*,08

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
881	18.7	+55 26	7.0	*7.26*		A . .
604	18.7	+11 56	7.0	*6.70*		. A .
818	18.7	−3 58	5.5	5.29	3931	A
632	18.9	+18 40	7.5	7.41	2859,3182,3188	*14*,16,*03*
1862	18.9	−25 7	6.1	6.16	3195,4277	16,*17*
889	19.0	+36 27	7.3	8.06	3575,3610	*03*,04
870	19.1	+42 0	7.3	7.56	3574,3600	*02*,01
633	19.1	+18 49	6.5	5.96	2859,3182,3188, 3925	*09*,01,02, 07
585	19.1	+12 41	8.2	7.74	2859,3168,3182	*09*,00,09
1868	19.1	−25 37	7.6	7.46	2862,2865	*11*,12
140	19.2	+80 40	7.4	*7.27*		A . .
924	19.3	+51 46	7.0	7.72	3550,3559	*01*,01
258	19.4	+69 9	7.0	7.02	3196,3214	*04*,04
642	19.4	+22 4	4.3	*4.14*		. . A
1687	19.4	−35 46	6.7	6.58	3185,3190,3544	03,03,*05*
643	19.5	+21 58	6.0	*5.37*		. . A
1758	19.5	−32 23	6.9	7.01	3190,3192,3562	*20*,11,09
634	19.6	+18 37	9.1	8.74	2859,3182,3188	03,*17*,14
719	19.7	+17 42	4.7	4.31	3182,4271,4278	16,*01*,*14*
961	19.8	+40 55	7.3	7.90	3575,3610	*03*,04
776	19.8	+31 13	5.0	5.24	3219,3221,4275	06,*04*,*01*
1096	19.9	+48 34	7.5	7.92	3574,3600	11,*10*
636	20.0	+18 39	7.5	7.72	2859,3182,3188	R,*05*,06
621	20.0	+15 43	6.8	*6.39*		A . .
884	20.2	+46 39	7.0	6.71	3574,3600,3920	*15*,*01*,14
696	20.3	+22 35	4.5	*4.24*		. . A
649	20.3	+5 25	7.5	*7.31*		A . .
1664	20.3	−34 15	4.0	4.22	3186,3192,3195, 3196,3198,3219, 3544,3563,3577, 3577,3905,3914, 3921,3922,3924, 3932,3937,3966, 3967,3969,3975, 4277,4287,4291, 4327	14,10,06, *02*,*06*,01, *12*,03,*12*, 09,22,*07*, *04*,*03*,*12*, 09,*27*,05, 40,*01*,*01*, *27*,04,*10*, *01*
644	20.4	+21 14	7.5	7.51	3542,3570	*12*,12
906	20.4	−5 53	7.5	7.51	2860,3236,3542	14,*12*,*02*
625	20.6	+15 23	5.0	4.64	3217,4271,4278	02,*04*,01
641	20.6	−1 40	7.5	6.97	2849,3186,4271	04,*08*,05
969	20.7	+42 58	7.2	7.50	3574,3600	00,00
895	20.7	+36 18	6.5	6.85	3570,3575,3922	*06*,04,02
899	20.7	−2 28	7.3	7.66	2860,3186	*04*,03
977	20.8	+43 6	7.2	7.42	3574,3600	*01*,00
600	20.8	+16 55	7.6	7.72	3213,3217	*15*,14
691	20.8	+4 8	7.2	6.53	3188,3213,3925	*01*,09,*07*
912	20.8	−5 23	7.3	*7.55*		A . .
1536	20.8	−28 26	7.7	7.79	2862,2865,3562, 3563,3577,3914, 3925,3931	*35*,31,*11*, *03*,09,*07*, 11,07
773	20.9	+54 49	7.5	*7.71*		A . .
697	20.9	+14 29	5.0	*4.97*		. . A
917	20.9	−10 10	6.8	6.95	3925,3931	*01*,01
687	21.0	+8 22	6.5	5.99	3188,3214,3925	*04*,16,*13*
602	21.1	+16 48	7.2	7.13	3218,3217,3217	04,*07*,03
830	21.2	+52 9	7.5	7.60	3550,3559	*10*,11
637	21.2	+18 52	7.5	7.72	3213,3217	*05*,04
1704	21.2	−34 58	6.7	6.62	3190,3192,3562	*05*,26,*22*
699	21.3	+22 46	6.2	*5.37*		. . A
724	21.3	+17 58	6.9	6.74	3217,3218,3562	02,18,*16*
702	21.4	−0 44	7.5	7.50	2860,3186	02,*01*
114	21.5	+83 50	7.4	*7.36*		A . .
685	21.5	+6 52	7.0	7.15	3188,3214	*10*,10
753	21.8	+1 52	6.8	6.37	3188,3217,3925	*05*,08,*03*
227	21.9	+72 20	6.0	5.96	3166,3167,3181, 3190,3192,3193, 3195,3213,3214, 3218,3219,3221, 3223,3236,3544, 3545,3547,3550, 3559,3562,3575, 3577,3600,3602, 3604,3607,3614, 3615,3905,3918; 3920,3921,3922, 3932,3937,3948, 3956,3957,3966, 3967,3975,3979, 4270,4271,4282, 4286,4287,4291, 4327,4331,4334, 4345	29,17,*11*, 00,09,35, 08,*04*,*03*, 07,*11*,*02*, *01*,01,*19*, *02*,*23*,08, 11, T ,07, *28*,12,*07*, *47*,*31*,14, 24,*01*,*03*, 05,*22*,*19*, 02,*06*,*05*, *07*,07,*21*, 16,*14*,10, 18,*06*,*13*, 02,24,04, 19,*03*,*13*, 15
813	21.9	−7 6	7.5	7.27	2849,2860	*08*,08
973	22.0	+42 29	7.0	7.27	3574,3600,3602, 3604	08,*05*,*03*, 01
577	22.0	+10 59	6.4	*5.85*		10, . *10*
686	22.0	+6 50	7.0	7.59	3188,3217	06,*06*
660	22.1	+27 34	7.0	7.76	3542,3570	01,00
647	22.1	+21 24	6.5	*5.80*		. . A
614	22.2	+11 32	7.5	7.44	3213,3217	*09*,09
R	22.2	−44 23	. .	6.00	3221,3542,3921	04,*10*,07
1820	22.3	−30 33	7.7	8.17	3190,3192,3562	*10*,13,*02*
157	22.4	+78 48	7.5	7.34	3196,3214	02,*01*
840	22.4	−18 52	7.0	7.14	2857,3186	*07*,06
665	22.5	+30 9	6.0	6.23	3575,4275	07,*07*
883	22.6	+35 2	6.8	*7.47*		A . .
648	22.6	+7 56	7.0	6.96	3188,3217,3925	*01*,*13*,13
605	22.7	+16 8	5.0	*5.24*		. . A
702	22.7	+14 30	6.5	*5.97*		07, . *07*

4^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
640	22.8	+18 58	3.7	3.54	3213,3217,4271	*07*,*08*,15
631	22.8	+15 44	4.0	*4.17*		. . A
2343	22.8	−24 18	6.2	6.14	2865,3600,3602	08,*02*,*07*
1728	22.8	−33 2	7.2	6.77	3190,3192,3562	*09*,13,*03*
632	22.9	+15 39	4.0	*3.63*		. . A
616	22.9	+11 26	8.0	7.54	3213,3925	21,*21*
755	22.9	+ 1 38	6.5	6.12	3188,3217,3925	*10*,17,*08*
334	23.1	+67 25	7.3	6.86	3196,3214,3547,	22,*30*,14,
					3550,3555	11,*15*
941	23.2	+45 56	7.5	7.72	3574,3602	*05*,05
661	23.2	+27 10	6.5	6.61	3542,3570,3918	*09*,*06*,14
598	23.2	+12 49	5.0	*5.10*		. *04*,04
880	23.2	−11 20	7.5	7.25	2857,3186	04,*04*
633	23.3	+15 57	6.5	6.62	3213,3217,3925,	05,*06*,05,
					3943	*06*
757	23.4	+ 1 9	5.7	5.52	3188,4271,4278	*10*,05,04
794	23.5	−15 24	7.0	7.10	2857,3186	*07*,06
848	23.5	−18 4	7.3	7.46	2857,3186	04,*03*
731	23.6	+17 19	7.3	7.06	3213,3217	01,00
878	23.6	−21 44	6.7	6.73	2862,2865,3914	*12*,*05*,17
805	23.7	+32 18	7.3	7.71	3570,3575	*03*,03
732	23.7	+17 39	7.0	7.06	3213,3217	*09*,10
964	23.8	+44 23	6.7	*7.12*		A . .
688	23.9	+13 41	7.5	7.76	3217,3562	00,00
1797	23.9	−32 38	7.0	6.97	3190,3192,3562	*16*,05,10
511	24.0	+63 57	7.0	7.03	3196,3214,3924	05,*27*,22
1950	24.0	−23 0	7.3	6.94	2862,2865,3914	*17*,21,*04*
779	24.1	+53 42	6.0	5.43	3550,3574,4270	11,*09*,*03*
662	24.1	+27 55	6.5	6.64	3542,3570,3918	05,02,*08*
806	24.2	+32 14	6.5	6.19	3570,3575,3921	*04*,*13*,16
583	24.3	+10 18	7.0	6.68	3925,3943	*03*,04
931	24.3	−19 40	6.0	6.16	3186,4271	04,*04*
701	24.4	+23 22	7.0	7.08	3542,3570	02,*02*
635	24.4	+15 57	8.5	8.00	3213,3925	07,*07*
636	24.4	+15 25	6.0	*5.78*		. *04*,04
893	24.5	−13 17	5.8	5.64	2857,2866	02,*03*
1013	24.6	+39 48	6.6	6.24	3921,3924	17,*17*
590	24.6	+10 1	7.0	6.56	3925,3943	*16*,17
1842	24.6	−29 59	8.0	7.72	2862,2865,3562,	*19*,30,01,
					3563,3577	*08*,*05*
1903	24.7	−25 25	7.5	7.54	2862,2865	*15*,16
637	24.8	+15 59	5.0	4.76	3213,4271,4278	*09*,07,01
1495	24.8	−39 3	7.5	7.98	3192,3213,3544	34,*16*,*18*
639	24.9	+15 29	5.5	5.52	3925,4271,4278	*18*,10,08
1772	24.9	−37 50	7.5	7.95	3192,3544,3562	05,*15*,10
690	25.0	+18 31	5.7	5.45	3217,4271,4278	*09*,*02*,11
640	25.1	+15 55	7.5	6.66	3213,3217,3925	*09*,00,08
895	25.2	+55 15	7.5	*7.61*		A . .
702	25.2	+23 8	7.4	7.22	3542,3570	04,*05*
903	25.3	+36 33	6.5	6.72	3570,3575,3921	05,*10*,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
971	25.4	+44 41	7.0	*7.82*		A . .
711	25.4	+14 53	7.3	*6.64*		A . .
1697	25.4	−26 30	7.0	6.91	2862,2865,3562,	*19*,34,*12*,
					3563,3577	03,*05*
843	25.5	+52 35	7.0	7.59	3550,3559	14,*14*
1013	25.6	+50 50	7.5	8.31	3550,3559	*04*,04
907	25.6	+36 50	6.5	6.82	3570,3575,3921	*08*,00,08
896	25.6	−13 49	6.8	6.37	2857,2866,4271	*01*,04,*04*
656	25.7	+ 7 6	7.5	7.85	3188,3214	00,00
696	25.7	+ 6 34	7.0	*6.94*		. A .
973	25.9	+44 43	7.0	*7.92*		A . .
658	25.9	+ 7 15	8.0	7.80	3188,3214	*05*,05
1748	26.0	−29 6	7.5	7.50	2862,2865,3542,	*50*, R ,*02*,
					3914,3918,3918,	*15*,09,15,
					3921,3921,4277,	29,05,08,
					4278,4283,4283	*18*,*01*,23
645	26.2	+15 38	6.5	*6.04*		03, . *02*
1504	26.2	−39 19	7.3	7.30	3185,3190,3544	23,*17*,*07*
989	26.3	+42 49	7.0	6.80	3574,3602,3920	*02*,03,*02*
663	26.3	+24 58	7.3	*7.31*		A . .
942	26.3	− 5 5	7.5	*8.00*		A . .
990	26.4	+42 51	6.5	6.15	3550,3574,3602	*26*,16,10
1983	26.4	−23 15	6.8	7.04	3195,3562	26,*25*
671	26.5	+ 5 38	7.5	6.66	3925,3943	04,*05*
1857	26.5	−30 40	7.5	7.13	3190,3562,4277,	*46*,22,04,
					4278,4283	*01*,22
817	26.7	+57 13	6.8	6.70	3559,3602,3920	08,*09*,01
674	26.7	+ 5 11	7.2	6.30	3925,3943	04,*03*
955	26.8	+45 26	7.0	*7.72*		A . .
713	26.8	− 0 16	5.0	*5.06*		. . A
1606	26.8	−38 30	7.1	7.17	3185,3190,3544	*03*,*03*,06
1509	26.8	−39 13	7.0	7.31	3185,3190,3544	15,15,*31*
904	26.9	−13 52	6.7	6.11·	2857,2866,3931	05,*10*,05
1016	27.0	+50 47	7.5	7.84	3550,3559	01,*02*
956	27.0	+45 43	7.0	7.22	3574,3602	*01*,02
861	27.0	− 4 36	7.4	*7.95*		A . .
1768	27.0	−35 58	6.4	6.03	3185,3190,3544	08,*02*,*07*
339	27.1	+68 5	7.5	7.37	3196,3214	01,*01*
515	27.1	+64 3	6.3	5.94	3196,3214,3924	*06*,12,*06*
812	27.2	+59 12	7.2	6.65	3559,3602,3920	*08*,01,07
1204	27.2	+49 54	7.1	*7.07*		A . .
735	27.2	+19 8	7.5	7.49	3217,3562	07,*07*
690	27.3	+62 40	7.5	7.82	3196,3214	*04*,04
915	27.3	−12 51	7.0	7.04	2857,2866	02,*03*
1788	27.3	−37 6	6.8	7.39	3185,3190,3544	*09*,11,*03*
1760	27.4	−29 6	7.5	7.44	3195,3218	*10*,09
720	27.5	+61 10	7.0	7.22	3196,3214	06,*06*
891	27.5	+34 36	7.5	8.30	3570,3575	05,*05*
809	27.6	− 3 25	5.6	*5.66*		. . A
2401	27.6	−24 20	7.5	7.94	2865,3195	*12*,12

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1756	27.6	−36 0	7.5	7.24	3185,3190,3544	05,*05*,01	1608	30.1	−28 40	6.9	6.88	2862,2865,4277	*08*,00,08
904	27.7	−20 55	6.5	7.04	2865,3195	*14*,13	629	30.2	+16 19	1.1	*1.09*		. 02,*02*
750	27.8	+17 48	6.5	6.24	3217,3562,3925	02,*17*,15	607	30.2	+ 9 57	4.3	*4.32*		05,*07*,01
1893	27.8	−31 44	7.4	7.57	3190,3195,3218,	*04*,19,13,	895	30.3	+34 45	7.5	*8.57*		A . .
					3574	*27*	670	30.3	+21 20	7.5	7.42	3542,3570	*06*,05
R	27.8	−45 10	. .	5.08	3221,3221,3921,	*22*,*32*,*06*,	2433	30.4	−24 15	6.7	6.57	2862,2865,3914	*14*,25,*11*
					3921,3922,3922,	*09*,*12*,*17*,	715	30.5	+23 9	6.5	6.04	3542,3570,3918	*04*,01,02
					3932,3932,3937,	47,67,*22*,	*959*	30.5	− 9 57	7.3	6.29	2849,2860,3931	*02*,*01*,02
					3937,3966	*18*,27	880	30.6	−20 8	5.5	*6.19*		*01*, . 01
901	27.9	+55 18	7.4	*7.26*		A . .	*916*	30.7	−20 57	7.5	7.76	2862,3195,3198	*22*,21,02
621	27.9	+16 7	7.5	6.51	3213,3217,3925	06,*05*,00	1961	30.7	−25 15	7.3	7.30	2862,3195,3198,	*31*,02,17,
1770	28.1	−29 1	7.7	7.19	2862,2865	*19*,19						3562,3563,3574	06,06,*03*
720	28.2	+14 38	5.4	*4.70*		. *01*,00	*969*	30.8	+46 2	6.5	*7.12*		04, . *04*
608	28.2	+13 2	7.0	*6.66*		. A .	632	30.8	+11 12	6.7	*6.79*		. 04,*04*
666	28.4	+28 46	5.7	5.81	3542,4275,4286	06,*13*,07	1806	30.8	−33 51	7.5	7.32	3190,3195,3198	*08*,*20*,27
600	28.4	+ 9 12	6.8	*6.20*		. *05*,06	673	31.0	+27 43	7.3	7.38	3542,3570	*03*,03
1941	28.4	−25 25	7.6	7.90	3195,3198	12,*13*	656	31.0	+15 40	7.0	6.67	3213,3217,3948	*10*,19,*08*
991	28.5	+45 1	7.0	*7.72*		A . .	830	31.0	− 3 49	6.2	*6.29*		. . A
923	28.5	−12 45	7.0	6.69	2857,2866,3931	10,*26*,16	1798	31.0	−35 2	7.1	7.26	3185,3190,3562	11,11,*23*
837	28.6	− 7 12	7.2	6.76	2849,2860,3931	*07*,09,*02*	1797	31.0	−35 52	7.5	7.63	3185,3190,3544	*02*,08,*06*
941	28.7	+37 17	7.2	8.13	3575,3610	12,*12*	920	31.1	+41 56	7.5	7.25	3559,3604	*04*,04
900	28.7	−11 0	6.5	6.24	2857,2866,3931	05,*31*,26	2439	31.1	−24 44	6.9	6.65	2862,2865,3562,	*16*,35,*08*,
712	28.8	+22 28	7.4	6.81	3542,3570,3918	*16*,10,07						3563,3574	01,*14*
679	28.8	+ 5 21	6.0	*5.75*		. 09,*09*	*726*	31.2	+15 4	7.5	*7.29*		A . .
953	28.8	− 5 31	7.0	6.83	2849,3186,3931	*04*,*07*,12	720	31.3	+25 32	7.3	*7.61*		A . .
884	28.8	− 8 28	7.0	6.70	2849,3186,3931	*13*,14,00	834	31.3	− 3 33	3.5	*4.02*		. . A
150	28.9	+79 27	7.0	6.57	3196,3214,3924	*04*,13,*08*	1801	31.3	−35 47	7.3	7.07	2871,3185,3190,	*01*,14,14,
816	28.9	+59 53	7.5	*7.46*		A . .						3544	*27*
1012	28.9	+47 9	7.4	7.55	3559,3574	*21*,21	661	31.4	+18 20	6.5	6.64	3213,3217,3943	23,12,*35*
1013	28.9	+47 10	7.3	7.52	3559,3574	16,*17*	919	31.4	−21 32	7.5	8.19	3195,3198	04,*04*
838	29.0	− 6 57	5.8	*5.68*		. 03,*02*	342	31.5	+68 54	7.5	7.77	3196,3214	01,*01*
1946	29.0	−25 46	7.1	7.36	3195,3198	03,*02*	1901	31.7	−30 46	3.7	3.98	3182,3190,3192,	33,*11*,52,
885	29.2	+35 28	7.5	*8.52*		A . .						3195,3544,3555,	16,03,*10*,
624	29.2	+16 47	7.3	7.36	3213,3217	*11*,10						3559,3600,3905,	*01*,*09*,08,
625	29.3	+16 59	7.0	7.12	3213,3217	15,*16*						3920,3921,3922,	*09*,05,01,
789	29.3	+ 0 13	7.5	*7.48*		A . .						3931,3932,3937,	*20*,*36*,*22*,
826	29.4	+60 41	7.0	6.77	3559,3602,3920	06,*08*,03						3966,3967,3975,	05,00,*08*,
841	29.4	− 7 2	6.5	6.42	2860,3186,3931	*17*,14,04						3979,4277,4287,	02,10,06,
887	29.4	− 8 27	4.6	5.53	3186,3931,4271,	51,*11*,*15*,						4291	*12*
					4277,4278	*07*,*17*	*927*	31.8	+42 3	7.0	7.01	3559,3604,3920	*02*,*03*,05
930	29.4	− 9 11	5.0	5.58	2860,4271	00,01	728	31.8	+14 57	7.9	*7.79*		A . .
1883	29.6	−29 57	4.7	4.58	3195,3198	*01*,00	913	31.8	−17 39	7.2	7.83	2857,2866	*03*,03
1628	29.6	−38 30	7.5	7.45	3190,3192,3544	*21*,25,*03*	803	31.9	+31 48	7.0	7.08	3570,3575	02,*03*
1119	29.7	+48 11	7.4	7.82	3559,3574	07,*06*	921	31.9	−21 31	8.0	8.26	2865,3195	*08*,07
1000	29.7	+41 4	5.0	4.41	3610,4275,4286	21,*12*,*10*	794	32.0	+53 17	5.4	5.35	3602,4270,4275	04,*07*,04
740	29.8	+19 46	7.0	*7.25*		A . .	865	32.0	+52 53	5.4	5.25	3559,3602,4270	04,*17*,12
742	29.8	+19 41	6.5	6.38	3925,3943	*15*,16	894	32.0	− 8 40	7.7	6.91	2849,2860,3931	*04*,07,*04*
1539	29.8	−39 42	7.5	7.50	3190,3192,3544	*21*,22,*01*	174	32.1	+76 25	6.3	6.68	3196,3214,4270	18,05,*24*
914	30.0	+36 45	6.5	6.72	3575,3614,3922	18,*17*,00	798	32.1	+ 0 48	5.7	*5.28*		. . A
947	30.1	+37 14	7.2	7.56	3575,3610	*10*,10	918	32.4	+36 22	7.0	7.61	3570,3575	08,*08*

4^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
731	32.4	+26 45	7.0	6.49	3542,3570,3918	19,*06*,*12*	689	34.7	− 1 15	7.7	6.18	2849,2860,3931	13,*16*,02
785	32.4	+20 30	6.0	5.79	3610,4275,4286	*14*,*01*,14	936	34.7	−14 33	6.5	*5.68*		03, . *03*
828	32.5	+57 41	7.3	7.09	3559,3920,3924	*23*,10,13	900	34.8	+34 30	7.0	7.96	3570,3575	02,*01*
661	32.5	+15 51	6.5	*5.80*		*03*, . 04	1990	34.8	−25 54	7.1	7.30	2862,3198	05,*06*
676	32.5	+ 7 7	7.0	6.89	3188,3214,3948	06,06,*11*	1652	34.9	−28 7	7.6	7.65	2862,3198	*11*,11
1799	32.5	−27 15	7.3	7.18	2862,3198	*20*,21	*954*	35.0	+38 5	6.2	5.82	3570,3575,3922	07,*08*,02
618	32.6	+12 19	4.0	*4.28*		. 12,*11*	680	35.0	+28 25	5.0	5.72	3542,3570,4275	*06*,10,*05*
963	32.6	− 2 40	5.1	*5.30*		. . A	927	35.2	−17 9	7.3	7.83	2857,2866	*03*,03
964	32.7	− 2 51	7.2	7.06	2849,2860	*05*,06	941	35.3	−21 26	7.3	7.18	2862,3198	*17*,17
893	32.8	+35 46	7.0	7.76	3570,3575	05,*05*	189	35.4	+75 46	6.0	6.04	3211,4270,4275	*01*,10,*09*
1655	32.9	−38 2	7.1	7.12	3185,3190,3544	19,*11*,*09*	1794	35.7	−34 12	7.5	7.64	3190,3195,3562,	08,14,*05*,
867	33.0	−22 49	7.0	7.64	2862,3198,3562,	*27*,28,*08*,						3563	*15*
					3563,3574,3577	02,02,00	1230	35.8	+49 48	5.5	5.89	3604,4270,4275	*16*,07,08
1911	33.0	−30 55	6.3	6.22	3182,3190,3192,	19,*05*,18,	1043	35.8	+43 10	5.7	5.07	3577,4270,4275	08,01,*10*
					3195,3547,3555,	22,*01*,00,	897	35.8	+35 40	7.5	8.75	3570,3575	10,*10*
					3559,3562,3600	*21*,*05*,*23*	857	35.9	− 3 42	7.3	8.16	2849,2860	*15*,16
1915	33.2	−30 38	7.0	6.99	2871,3190,3562	*01*,08,*08*	2488	35.9	−24 41	6.0	5.77	3198	A
1017	33.3	+40 36	6.5	6.64	3922,3924	04,*05*	927	36.0	+38 14	7.0	6.72	3570,3575,3922	10,00,*09*
1042	33.3	+39 36	7.0	*7.57*		A . .	926	36.0	+36 7	7.2	7.75	3570,3575	*09*,09
674	33.3	+25 2	6.3	6.28	3922,3924	*10*,09	729	36.0	+23 51	7.3	7.02	3570,3614	12,*12*
881	33.3	−18 31	7.2	7.77	2866,3186	07,*07*	988	36.1	−19 52	4.5	4.69	2857,4271	*02*,02
665	33.4	+15 36	5.3	*5.19*		. . A	739	36.2	+22 46	4.7	*4.29*		. *01*,01
937	33.4	−13 14	7.3	6.77	2866,2868,2871,	*13*,05,*18*,	*876*	36.2	− 6 56	7.5	7.17	2849,2860	02,*02*
					3185,3186,3188,	*05*,21,*07*,	892	36.5	+33 46	7.3	7.50	3570,3575	*03*,03
					3542,3914,3914,	10,*01*,*05*,	1674	36.7	−28 23	7.5	7.65	2862,3198	*11*,11
					3918,3918,3920,	04,00,02,	628	36.8	+ 9 27	7.3	*6.85*		. A .
					3920,4283,4283,	03,*14*,*06*,	1583	36.8	−39 0	7.1	7.22	2871,3185,3544	*05*,*14*,20
					4297,4297,4306,	11,01,01,	475	36.9	+64 38	7.2	7.08	3924,3950,4270	02, T ,*03*
					4306	04	*1028*	36.9	+48 0	7.0	6.97	3559,3577,3920	02,*12*,09
1821	33.4	−35 49	7.7	7.86	3185,3544,3562	15,*01*,*07*	1033	37.0	+42 14	7.5	7.40	3559,3577	05,*06*
					3563	*06*	684	37.0	+18 32	6.8	7.12	3188,3213	*04*,05
1222	33.5	+49 52	7.2	*8.22*		A . .	876	37.1	+52 9	7.0	7.83	3559,3577	05,*05*
1036	33.5	+43 55	7.1	7.32	3559,3604	10,*10*	969	37.1	−12 40	6.9	6.62	2857,2866,3931	07,*09*,01
666	33.5	+15 43	5.3	*4.86*		. . A	733	37.2	+23 55	6.8	6.24	3614,4275,4286	05,00,*04*
620	33.5	+12 49	6.8	*7.26*		. A .	1032	37.3	+40 36	6.2	6.16	3575,3615,4275	*07*,16,*09*
681	33.6	+ 7 40	5.8	5.41	3188,4271,4278	*06*,02,04	827	37.3	+32 41	6.5	6.45	3570,3575,3921	*05*,*13*,17
983	33.6	−14 30	4.0	*4.08*		*02*, . 02	738	37.3	+14 37	6.7	6.70	3943,3944	*10*,10
883	33.6	−18 0	7.2	7.73	2857,2866	*13*,13	702	37.3	− 1 7	7.5	6.82	2860,2868,3931	10,*11*,00
892	33.6	−20 53	6.8	7.07	2862,2865	*13*,13	2510	37.3	−24 10	7.4	7.51	2865,3198	01,*01*
1128	33.9	+48 7	6.0	*5.67*		. . A	R	37.3	−42 3	. .	4.87	3182,3221,3240,	06,02,29,
924	34.0	+36 41	7.5	8.25	3570,3575	*02*,02						3559,3602,3604,	*15*,04,09,
728	34.0	+29 47	6.5	6.89	3922,3924	*05*,05						3905,3920,3921,	27,*07*,02,
1809	34.0	−27 28	7.9	7.84	2862,3198	04,*05*						3922,3931,3932,	*09*,02,*17*,
979	34.1	−19 50	7.2	*7.03*		A . .						3937,3967,3975,	*11*,*35*,11,
955	34.3	−12 19	5.8	*5.06*		. . A						3979,4287,4291	40,*04*,*39*
704	34.4	+30 7	7.2	*8.06*		A . .	1013	37.4	+44 35	6.9	*7.77*		A . .
931	34.5	+41 57	7.1	7.29	3559,3604	*07*,07	670	37.4	+15 18	7.5	*8.14*		A . .
639	34.5	+12 0	6.0	5.52	3944,4271,4278	*09*,10,00	1590	37.6	−39 46	7.5	7.87	3185,3190,3931	10,*10*,01
1226	34.6	+49 44	7.0	*7.62*		A . .	*962*	37.8	+38 3	7.0	6.80	3570,3575,3921	12,*01*,*12*
826	34.7	+59 20	6.9	6.40	3920,3924	07,*06*	*969*	37.8	− 5 57	6.8	7.06	2860,2868	09,*10*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
347	38.1	+67 35	7.5	6.97	3196,3211,3547, 3550,3555	31,*21*,07, *12*,*07*
1034	38.1	+47 17	7.0	7.32	3559,3577	07,*07*
1047	38.2	+43 36	7.4	7.92	3559,3577	*02*,02
953	38.2	−21 10	7.3	7.63	3198,3214,3562, 3563,3574,3600, 3914,3931,3937	*05*,47,07, *29*,*02*,*10*, *04*,04,*09*
2106	38.2	−23 22	7.0	7.04	2865,3198	01,*02*
1867	38.5	−37 20	5.1	5.00	3190,3192,3544, 3547,3555,3574, 3602,3604,3905, 3914,3920,3931, 3931,3932,3937, 3948,3951,3957, 3966,3967,3975, 3979,4277,4287, 4291	08,05,*03*, *12*,*05*,06, 09,09,21, 11,*14*,15, 06,*25*,*15*, *05*,*06*,*06*, 07,*24*,01, 11,16,*06*, *10*
904	38.6	+34 58	7.2	*7.87*		▲ . .
1869	38.7	−37 48	6.8	6.72	2871,3190,3544	*06*,11,*06*
969	38.8	− 8 59	7.0	*5.93*		. . ▲
621	38.9	+10 58	5.6	*5.36*		. 10,*11*
2115	39.0	−23 49	7.2	7.10	3198,3218	00,00
1997	39.1	−31 54	7.2	7.35	2871,3218,3562	*13*,15,*01*
1830	39.1	−34 24	7.4	7.67	3195,3221,3562	18,*03*,*14*
929	39.3	− 8 41	5.8	*5.88*		. . ▲
1968	39.3	−30 57	6.2	5.83	3198,3218,3544, 3555,3559,3604, 3905,3914,3931, 3932,3937,3948, 3951,3956,3957, 3967,3975,3979, 4275,4287,4291	*18*,12,01, 06,11,17, 04,03,*08*, *23*,03,*08*, *14*,02,*08*, 26,*11*,21, 08,00,*33*
322	39.4	+70 45	6.3	6.29	3924,3950	*05*,05
1045	39.4	+42 9	6.7	6.65	3559,3577,3920	*07*,*12*,18
193	39.5	+75 33	7.0	*7.17*		▲ . .
923	39.5	−20 33	7.5	7.63	3198,3218	05,*05*
687	39.6	+28 30	7.0	7.02	3570,3614	14,*13*
834	39.6	+ 0 23	6.8	*7.28*		▲ . .
973	39.7	+56 35	5.8	5.33	3920,4270,4275	04,01,*05*
739	39.7	+23 27	7.0	6.17	3570,3614,3922	12,*01*,*12*
906	39.7	−18 51	6.0	*5.62*		. . ▲
960	39.7	−21 18	7.6	8.35	3198,3218	00,00
813	39.8	+53 6	7.0	6.81	3559,3574,3920	04,*05*,02
1045	39.8	+40 8	6.5	6.17	3615,4275,4286	12,*14*,01
928	39.9	+55 26	6.5	*6.39*		12, . *12*
956	40.0	+41 7	7.0	7.02	3574,3577	*12*,13
937	40.0	−16 15	7.2	7.60	2857,2866	*07*,08
880	40.1	+52 55	7.5	7.22	3559,3574	06,*07*
731	40.1	+25 51	7.5	7.48	3570,3614	19,*18*
984	40.2	+45 49	7.3	8.00	3574,3577	*10*,11

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1869	40.2	−27 46	7.0	7.04	3218,3221	05,*05*
2004	40.3	−31 40	7.1	7.56	2871,3195,3562	*04*,10,*05*
719	40.4	+18 33	6.5	6.13	3188,3213,3943	15,04,*19*
646	40.5	+11 31	5.7	*5.21*		. . ▲
876	40.5	− 3 26	3.5	*3.97*		. . ▲
1712	40.5	−28 8	7.2	7.36	3198,3218	20,*20*
987	40.6	+45 18	7.0	*7.72*		▲ . .
966	40.7	−21 28	5.5	6.10	3198,3218	*05*,05
350	40.8	+67 59	7.0	*7.39*		. ▲ .
536	40.8	+63 27	7.0	6.72	3196,3211,3924	16,*26*,09
937	41.1	+36 32	7.5	7.95	3575,3614	20,*20*
759	41.3	+ 8 50	7.5	7.15	3188,3214	00,00
884	41.4	− 3 8	7.2	6.29	2860,2868,3931	03,*18*,16
955	41.5	−11 45	7.3	7.56	2857,2866	03,*03*
155	41.6	+81 2	5.5	*5.32*		05, . *04*
651	41.6	+ 9 52	7.5	*7.32*		▲ . .
728	41.9	+ 5 37	7.3	*6.64*		. ▲ .
2044	41.9	−25 20	7.5	7.42	3182,3198	15,*15*
741	42.0	+29 37	6.5	*7.36*		▲ . .
695	42.0	+29 3	6.3	7.01	3570,3614	*05*,05
1251	42.1	+49 24	7.5	7.76	3574,3577	03,*03*
655	42.1	+10 0	8.5	*8.27*		▲ . .
1859	42.1	−34 11	6.7	6.71	2871,3195,3562	*02*,*03*,06
901	42.3	+33 49	7.5	8.10	3575,3614	04,*04*
1735	42.4	−28 16	6.4	6.16	3198	▲
976	42.5	+56 21	7.3	7.74	3574,3577	05,*05*
1624	42.5	−39 32	6.4	6.13	2871,3192,3544	07,22,*28*
977	42.6	−21 23	7.0	7.19	2851,3218	*06*,06
543	42.7	+63 20	5.8	5.77	3196,3211,4270	21,*11*,*11*
1842	42.7	−26 29	7.5	7.76	2851,3198	06,*05*
840	42.8	+32 25	6.0	6.00	3575,4275,4286	*15*,06,08
816	42.8	+31 16	5.3	5.81	3924,4275,4286	*13*,*11*,23
734	42.8	+18 32	7.0	6.79	3188,3213,3943	*01*,08,*07*
789	42.8	+17 38	7.3	*7.87*		. ▲ .
1879	42.8	−35 59	7.5	7.80	2871,3192,3544	14,*02*,*11*
742	42.9	+29 24	7.0	7.21	3570,3922,3924	05,*08*,04
707	42.9	+21 9	8.0	6.91	3542,3547,3914, 3914,3918,3920, 3920,3922,3924	19,*31*,*03*, *07*,07,10, *04*,05,00
1728	42.9	−38 17	7.4	7.46	2871,3192,3562	02,06,*08*
698	43.0	+28 11	7.2	7.49	3570,3922,3924	02,*11*,08
654	43.0	+16 28	7.3	7.52	3188,3213	06,*05*
954	43.1	−17 7	5.5	*5.47*		. . ▲
1874	43.1	−29 35	7.3	7.50	2851,3563	04,*03*
1894	43.1	−37 38	7.3	7.75	3192,3195,3562	07,00,*06*
969	43.2	+37 19	5.5	*5.03*		. . ▲
773	43.2	+ 2 33	7.2	6.66	3188,3214,3943	09,*04*,*04*
353	43.4	+68 3	7.0	7.42	3196,3211	16,*16*
679	43.5	+ 3 29	8.4	7.12	3188,3214	*10*,10
681	43.5	+ 3 25	7.0	6.18	3188,3214,4271	04,*06*,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
354	43.6	+67 20	8.0	7.49	3211,3221,3223,3230,3914,3914,3918,3918,3921,3921	07,08,*02*,*12*,02,07,14,*12*,*11*,00
435	43.6	+65 49	7.5	7.57	3196,3211	*19*,19
1162	43.6	+48 35	5.8	5.85	3950,4270,4275	*14*,08,07
1044	43.6	− 5 50	6.3	*6.00*		14, . *14*
1733	43.6	−38 29	7.2	7.33	2871,3192,3562	*08*,*03*,12
682	43.7	+ 3 31	7.9	7.07	3188,3214	*05*,05
686	43.8	+15 43	8.3	7.92	3188,3213	*04*,05
1884	43.8	−36 23	7.6	8.05	2871,3192,3562	*14*,10,03
687	44.0	+15 43	6.5	*6.34*		A . .
956	44.0	−16 30	6.5	5.76	2857,2866	07,*08*
2011	44.0	−30 12	6.7	6.49	2871,3195,3562	11,08,*18*
358	44.1	+66 10	5.0	4.35	3182,3186,3190,3193,3196,3217,3223,3230,3235,3238,3239,3240,3542,3544,3545,3547,3563,3575,3600,3602,3604,3606,3607,3614,3615,3617,3914,3918,3921,3924,3925,3931,3944,3948,3951,3956,3967,3975,4270,4271,4275,4282,4283,4289,4297,4308,4327,4331,4338	*29*,03,*07*,01,43,*19*,12,02,02,*07*,*08*,03,*03*,07,05,20,*10*,04,11,*02*,*06*,10,*45*,17,14,25,*20*,53,12,*13*,*10*,*04*,30,20,*19*,06,08,*26*,*13*,*09*,*26*,*04*,*09*,*05*,16,06,*13*,*09*,*28*
689	44.3	+15 21	7.5	*7.84*		A . .
1046	44.3	− 5 9	7.5	*7.05*		A . .
992	44.4	+45 41	6.5	*7.12*		A . .
1096	44.4	+43 24	7.0	7.37	3574,3577	07,*07*
762	44.4	+ 6 47	3.3	3.25	3188,3214,4271	00,*10*,09
704	44.6	+28 10	7.4	7.72	3570,3617	*10*,10
657	44.6	+17 2	7.0	7.22	3188,3213	06,*05*
739	44.7	+61 19	6.9	6.63	3196,3211,3547,3550,3555,3950,3951,3966	35,*27*,R,*01*,*15*,*02*,*12*,20
868	44.7	−15 53	8.2	7.92	2866,2868	*04*,05
914	44.9	+35 39	7.0	6.77	3575,3614,3921	11,*09*,*03*
765	44.9	+ 6 48	8.0	7.05	3188,3214	10,*10*
995	45.1	+45 46	6.6	6.56	3950,3951	*19*,19
692	45.1	+16 3	7.5	7.28	3188,3213	10,*11*
777	45.1	+ 8 44	5.0	*4.32*		. 00,00
970	45.1	−13 56	6.5	6.22	2866,2868,3931	*01*,*10*,12
356	45.2	+67 23	7.5	7.97	3196,3211	11,*11*
891	45.2	+52 39	7.2	6.34	3574,3577,3950	06,*07*,01
733	45.4	+ 7 50	7.5	7.30	3188,3214	15,*15*
743	45.5	+18 40	4.5	*5.14*		. 01,*01*
954	45.5	− 4 2	7.3	7.67	2860,2876	*02*,02
1893	45.5	−34 29	7.2	6.98	3195,3218,3562	*03*,16,*12*
1940	45.5	−35 15	7.7	7.69	3195,3218,3562	*01*,19,*17*
948	45.6	+36 27	7.4	6.87	3575,3614,3921	*07*,*04*,11
871	45.6	+ 0 59	7.3	6.65	3943,3944	*08*,*08*
963	45.6	−15 58	7.5	6.82	2866,2868,3931	*04*,*05*,10
654	45.7	+10 54	7.5	*6.96*		. A .
785	45.7	− 0 16	7.5	7.22	2860,2876	00,*01*
964	45.7	−16 23	5.4	5.30	2866,4271	08,*09*
1081	45.8	+42 25	6.2	*5.70*		. . A
732	45.8	+31 0	6.8	6.82	3921,3922	08,*07*
952	45.9	+36 33	5.0	5.09	3614,3921,4286	*06*,00,07
745	45.9	+ 5 26	4.0	*3.68*		. 03,*02*
178	46.0	+77 36	7.5	7.64	3196,3211	02,*01*
821	46.0	+31 49	7.0	7.42	3575,3615	05,*04*
728	46.2	+13 29	6.8	*6.70*		. A .
668	46.2	+ 9 49	6.2	6.11	3943,3944,4271	*11*,10,00
1948	46.2	−35 16	7.5	7.72	3195,3218,3562	*04*,16,*13*
2029	46.3	−30 26	7.5	7.99	3195,3218,3562	*02*,*01*,03
1023	46.4	−19 4	7.3	7.66	2857,2866	01,*02*
701	46.5	+27 44	6.0	6.01	3570,4286,4287,4289	*06*,*09*,14,00
669	46.5	+ 9 43	7.8	6.78	3943,3944	*06*,05
909	46.5	− 3 50	7.3	7.46	2860,2876	*04*,05
1930	46.5	−27 16	7.3	7.60	2851,3198	00,*01*
1265	46.6	+49 24	7.5	7.88	3574,3577	*08*,08
957	46.8	+36 40	6.5	6.80	3575,3614,3921	11,02,*13*
759	46.8	+26 37	7.3	7.84	3570,3617	*18*,19
941	46.9	+55 6	5.8	5.54	3577,4270,4275	*10*,16,*05*
777	46.9	+14 5	5.0	*4.94*		. . A
960	46.9	− 8 34	7.3	7.05	2860,2876,3944	*17*,02,14
1028	46.9	−10 27	7.2	7.11	2857,2866	08,*08*
2080	47.0	−25 28	6.9	7.02	3198,3239	02,*01*
1593	47.0	−41 29	6.5	5.99	3221,3239,3240,3547,3555	*21*,*12*,32,*21*,23
667	47.1	+12 14	7.2	7.25	3188,3213	00,00
673	47.1	+ 9 40	8.7	7.70	3188,3214	*05*,05
1762	47.1	−38 44	7.8	7.06	3195,3218,3238,3931,3937,3943	*12*,52,*04*,*11*,*11*,*15*
958	47.2	+36 37	7.5	7.52	3575,3614	07,*06*
357	47.3	+67 38	7.0	7.14	3196,3196,3211,3550,3555,3559,3950,3951,3966	R,24,*18*,04,*09*,10,*17*,*07*,11
992	47.4	+51 26	7.0	6.89	3574,3577,3950	*19*,12,06
746	47.4	+25 13	7.5	*7.21*		A . .
757	47.5	+23 10	6.5	6.65	3570,3922,3924	*07*,*02*,09
917	47.6	− 7 52	7.5	7.52	2860,2876	*14*,15
439	47.7	+65 8	7.4	6.81	3950,3951	10,*10*

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
1116	47.7	+43 54	6.3	6.07	3610,4270,4275	12,04,*17*
758	47.7	+23 26	7.4	7.44	3570,3922	02,*02*
1962	47.8	−35 4	6.2	5.70	3195,3230,3547, 3562,3607,3914, 3920,3931,3932, 3948,3951,3956, 3957,3967,3979, 4287,4291,4297	*12*,05,*31*, *08*,*08*,*02*, *04*,15,02, *08*,12,18, *07*,14,05, 19,*18*,07
1068	48.0	− 5 37	4.3	*4.56*		09, . *10*
1124	48.1	+43 15	7.0	7.44	3577,3610	12,*11*
1973	48.1	−33 26	7.5	8.00	3195,3218,3563	06,02,*09*
898	48.2	+52 42	6.5	*5.63*		. . A
800	48.2	+ 2 20	5.0	5.54	3188,4271	*02*,03
1921	48.2	−34 24	6.7	6.66	3195,3218,3563, 3914,3931,3937	*01*,38,*15*, 04,*05*,*19*
742	48.3	+61 36	7.1	6.90	3196,3211,3950	18,*04*,*13*
664	48.3	+16 54	7.5	7.12	3188,3213	06,*05*
1774	48.3	−38 46	7.5	7.56	3195,3238,3562, 3563,3574,3931, 3937,3944	*62*,36,07, *03*,07,17, 02,*08*
788	48.5	+58 57	7.0	6.94	3577,3610,3950	*09*,15,*06*
945	48.6	+55 40	7.5	*6.93*		. A .
1052	48.6	+44 58	7.5	*7.89*		A . .
2094	48.6	−25 56	7.3	7.62	2851,3238	*08*,07
847	48.8	+ 1 25	7.5	6.45	3188,3214,3948	*03*,*03*,07
2051	48.8	−30 49	7.5	7.57	3195,3221,3563	17,*02*,*14*
1131	48.9	+43 20	7.5	7.64	3577,3610	15,*16*
1003	48.9	−20 56	7.0	6.93	2851,3198,4277	*18*,15,03
853	49.0	+32 38	7.5	7.33	3575,3615	00,00
828	49.0	+31 59	7.2	7.32	3575,3615	08,*08*
811	49.0	+19 20	7.0	6.24	3213,3562,3943	03,03,*05*
810	49.0	+ 2 17	3.5	*3.88*		. 14,*15*
673	49.1	+12 12	7.5	7.14	3213,3562	*09*,10
672	49.1	+11 53	7.5	7.36	3213,3562	*01*,02
671	49.1	+11 47	8.3	7.92	3213,3943	03,*03*
667	49.2	+16 13	7.5	7.10	3213,3562	07,*08*
674	49.2	+11 47	8.5	7.98	3213,3943	07,*07*
829	49.3	+53 35	5.0	*4.42*		. *02*,01
675	49.3	+11 16	6.3	*5.14*		. 02,*03*
1271	49.4	+49 46	7.0	6.86	3950,3951	*12*,11
741	49.4	+30 24	6.8	*7.46*		A . .
764	49.4	+27 2	7.4	7.46	3570,3922	05,*04*
683	49.4	+10 0	5.3	*4.70*		02, . *01*
755	49.4	+ 7 38	5.7	*5.51*		. . A
928	49.4	− 3 23	6.6	6.61	2860,2876,3944	01,20,*22*
742	49.5	+30 12	7.0	*7.56*		A . .
799	49.5	+ 8 27	7.3	6.77	3214,3562,3563	*02*,04,*02*
229	49.6	+74 7	6.1	6.15	3950,4270,4275	08,*07*,00
668	49.6	+16 29	7.0	7.14	3213,3562	08,*04*
790	49.7	+58 28	7.5	7.78	3577,3610	*06*,05
930	49.7	+36 1	6.5	6.10	3921,3922	*02*,03
893	49.7	+ 0 19	6.2	*5.92*		06, . *07*
1781	49.9	−38 19	7.1	6.99	3195,3221,3562, 3944	12,04,19, *34*
709	50.1	+24 27	6.5	6.30	3922,3924	04,*03*
776	50.1	+22 27	7.3	7.44	3570,3617	*04*,03
787	50.2	+14 54	6.5	*5.74*		10, . *10*
731	50.3	+21 26	8.2	7.27	3542,3914,3918, 3918,3921,3921, 3922,3924,4286, 4286,4289	01,*39*,04, 08,30,*01*, *16*,15,03, *06*,*04*
1989	50.4	−35 35	7.7	7.69	3195,3221,3562	*05*,07,*02*
855	50.5	+33 0	3.0	2.99	3575,4286,4287, 4289	*01*,00,14, *14*
769	50.6	+ 5 15	7.3	6.40	3943,3944	*08*,07
991	50.6	−16 55	6.2	5.86	3186,4271	*03*,04
740	50.7	+13 21	5.0	*4.24*		. . A
759	50.7	+ 7 45	6.8	*6.52*		. A .
1790	50.7	−38 20	7.1	6.76	3195,3221,3544, 3562,3914,3914, 3918,3918,3921, 3921,4283,4283, 4297,4297,4306, 4306	25,*13*,*14*, *03*,26,04, 08,*14*,*15*, 14,19,07, *09*,00,*13*, *16*
857	50.8	+ 1 28	7.5	6.93	3188,3214,3943	*01*,09,*09*
2095	50.9	−31 36	7.5	7.87	3221,3223,3563	05,*07*,01
671	51.1	+16 35	7.5	7.48	3213,3562	29,*28*
1689	51.2	−39 16	7.5	7.64	3221,3239,3544, 3562,3918,3918, 3921,3921,3922, 3922,4283,4283, 4306,4306,4338, 4338	*24*,06,*11*, *15*,*07*,01, *04*,04,40, 09,00,23, 09,*27*,03, 00
357	51.3	+69 2	7.0	7.07	3196,3211	01,*01*
1122	51.3	+39 55	7.3	*7.32*		A . .
2072	51.3	−30 27	7.3	7.33	3221,3223,3563	05,03,*08*
1091	51.4	− 5 20	5.3	5.54	3186,4271	*08*,07
2115	51.4	−25 54	6.7	6.74	3198,4277	10,*10*
1691	51.5	−39 48	6.5	6.30	3221,3223,3563	09,03,*13*
672	51.6	+17 0	5.6	5.67	3213,4271,4278	00,04,*03*
1002	51.7	+37 11	7.0	6.72	3575,3614,3615	02,*03*,01
777	51.7	+23 48	6.2	*6.00*		. 03,*03*
264	51.8	+73 37	6.3	6.76	3196,3211,3950	20,17,*38*
994	51.8	−17 58	6.8	7.48	2857,2866	12,*12*
906	51.9	+52 59	6.4	*6.40*		. A .
265	52.0	+73 55	6.3	6.15	3196,3211,4270	11,*02*,*09*
717	52.0	+24 54	6.0	*5.57*		. . A
1147	52.2	+43 11	7.3	7.34	3577,3610	*03*,02
762	52.2	− 1 14	7.3	6.23	2860,2876,3944	*01*,*02*,02
984	52.2	− 8 36	7.1	6.82	2860,2876,3944	*04*,15,*11*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
774	52.4	+29 42	7.0	*7.46*		A . .
796	52.5	+58 31	8.0	7.39	3577,3924,3924,	*08*,06,06,
					3931,3931,3932,	*29*,05,*02*,
					3932,4283,4283,	*06*,18,22,
					4289,4289,4291,	01,21,*13*,
					4291	*19*
1005	52.5	+37 44	5.7	4.98	3931,4286,4287,	*13*,*03*,*09*,
					4289	23
853	52.6	+60 56	7.0	6.12	3577,3610,3950	12,*21*,08
1023	52.6	+41 44	7.1	6.68	3577,3610,3950	10,*01*,*08*
959	52.6	−18 16	7.5	8.53	2857,2866	*03*,03
370	52.7	+66 41	7.0	6.29	3196,3211,3950	09,07,*16*
1708	52.7	−39 6	7.5	7.86	3221,3223,3562,	26,11,*22*,
					3563	*13*
1074	52.9	+44 43	7.5	*7.92*		A . .
1038	53.0	− 6 16	7.5	7.27	2860,2876	*02*,02
1003	53.1	−14 24	6.3	6.01	4271	A
1080	53.2	− 2 22	6.3	6.43	2860,2876,3944	*21*,18,03
1133	53.4	+39 15	6.4	5.90	3614,3922,3932	04,*19*,15
796	53.4	+14 24	6.5	*5.98*		24, . *23*
872	53.4	+ 1 33	5.0	4.66	3214,4271,4278	16,04,*21*
953	53.4	− 3 54	7.3	6.98	2860,2876,3944	*26*,23,03
952	53.5	+55 26	7.4	*7.41*		A . .
1134	53.5	+39 31	6.8	6.72	3575,3614,3922	14,*06*,*07*
716	53.7	+27 9	7.2	6.59	3570,3922,3924	*12*,*09*,22
1001	53.7	−16 56	7.0	6.60	2857,2866,3944	00,*04*,05
1128	53.8	+40 5	7.4	*7.47*		A . .
975	53.8	+36 29	7.5	7.17	3575,3614,3922,	R,*09*,*02*,
					3924,3931,3931,	00,*04*,10,
					3932	04
964	53.9	−22 10	7.1	7.39	2851,3221	*06*,06
1023	54.0	+45 17	7.5	*7.77*		A . .
713	54.0	+15 46	7.0	6.70	3213,3562,3943	07,*02*,*04*
2027	54.0	−33 14	7.5	7.85	3221,3223,3563	17,04,*21*
1024	54.1	+45 46	7.0	7.42	3577,3610	*01*,01
2023	54.1	−35 3	7.5	7.58	3221,3563,3931	13,03,*16*
1077	54.2	+44 15	7.5	7.21	3577,3610	*05*,05
966	54.3	−17 58	7.0	7.20	2876,3186	18,*17*
856	54.5	+60 18	5.0	4.19	3182,3186,3190,	17,*01*,*01*,
					3217,3230,3235,	*13*,28,*32*,
					3238,3239,3240,	*11*,*01*,*11*,
					3241,3245,3247,	*01*,19,09,
					3248,3542,3544,	09,*05*,02,
					3547,3559,3563,	06,19,11,
					3575,3589,3602,	18,*01*,*17*,
					3604,3606,3607,	01,*28*,13,
					3610,3614,3615,	*08*,24,06,
					3617,3914,3918,	*11*,18,*17*,
					3924,3925,3931,	*04*,*21*,05,
					3944,3951,3956,	*12*,18,28,
					3966,3967,3980,	*06*,*06*,*05*,
					3983,4270,4271,	*19*,01,07,
					4275,4282,4283,	*27*,*07*,*05*,
					4289,4297,4308,	02,01,20,
					4334,4338	*06*,08
1138	54.5	+39 49	7.5	*7.77*		A . .
1013	54.5	−16 32	6.2	*5.72*		. . A
1978	54.6	−29 3	7.5	7.50	2851,3198	*04*,03
804	54.8	+14 14	6.7	6.71	3214,3943	*03*,03
1066	55.1	−10 25	5.5	*5.68*		10, . *11*
688	55.2	+10 46	7.5	6.60	3562,3563,3943	*05*,*01*,07
1879	55.2	−28 36	7.4	7.53	2851,2862	*07*,07
845	55.3	+31 38	7.0	7.50	3575,3615	*02*,02
736	55.3	+ 3 28	7.8	*6.08*		. 09,*10*
737	55.3	+ 3 28	7.8			
1047	55.3	−12 41	4.8	*4.80*		. . A
361	55.4	+68 50	6.5	6.80	3196,3211,3950	*02*,06,*03*
1142	55.5	+40 56	3.6	4.02	3559,3559,4286	01,*05*,03
811	55.5	+ 4 26	7.0	*7.10*		. A .
2078	55.5	−32 24	7.0	6.85	3221,3223,3563	*08*,09,00
775	55.6	+26 32	7.2	6.86	3570,3617,3922	*05*,15,*11*
1095	55.7	− 2 13	6.5	6.26	2860,3186,3944	*14*,23,*08*
2148	55.8	−25 13	7.4	7.52	2851,2862	*06*,07
739	55.9	+ 3 35	8.2	6.93	3188,3214,3943	19,*11*,*09*
1123	55.9	− 5 52	6.3	6.36	2860,3944,3948	*01*,08,*06*
1977	55.9	−37 2	6.7	7.02	3195,3221,3563	10,*03*,*06*
1047	56.1	−13 40	7.3	7.28	2857,2866	*02*,03
1044	56.2	+41 18	6.5	6.20	3559,3577,3950	*23*,04,19
74	56.3	+85 50	6.0	*6.58*		07, . *06*
702	56.3	+11 15	7.5	6.94	3562,3563,3943	06,06,*13*
826	56.4	− 0 51	7.8	6.60	2860,3186,3944	*08*,19,*10*
1036	56.4	−11 21	7.0	7.31	2857,2866	*02*,02
208	56.5	+75 33	7.3	*7.27*		A . .
1089	56.5	+47 31	7.3	7.08	3559,3577,3951	*31*,09,23
948	56.6	− 7 20	4.9	4.72	2860,3238	13,*14*
923	56.7	+ 0 34	6.2	6.18	3217,4271,4278	01,06,*07*
1031	56.8	+37 7	7.3	7.46	3615,3617,3922	R,08,*08*
886	56.8	+ 1 28	6.5	6.21	3188,3217,3943	01,08,*09*
1011	56.9	−17 42	7.3	7.92	2857,3186	*02*,01
1032	57.0	+45 38	6.8	6.53	3559,3577,3951	03,*23*,20
751	57.1	+21 27	4.8	*4.67*		. . A
778	57.1	+ 7 17	7.5	*7.04*		A . .
1130	57.1	− 5 39	7.2	6.66	2860,3186,3944	*01*,10,*08*
1040	57.1	−11 5	7.0	6.85	2857,2866,3944	04,*02*,*03*
990	57.1	−20 12	5.8	*4.90*		11, . *10*
2336	57.1	−23 52	7.5	7.51	2851,2862,3221,	*23*,*08*,*01*,
					3223,3542	27,04
804	57.4	+58 50	6.0	5.41	3555,4270,4275	*04*,*13*,16
704	57.4	+11 54	7.5	7.06	3235,3236	11,*10*
857	57.5	+61 2	6.7	6.23	3951,3969,4270	08,*05*,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
805	57.5	+58 58	6.5	*6.38*		. *02*,02
1077	57.6	−19 49	7.5	*7.68*		A . .
1019	57.8	− 4 21	6.0	5.96	3230,4271	*08*,08
1055	57.8	− 9 3	7.3	7.30	3230,3238	*15*,16
772	57.9	+30 22	6.5	6.50	3924,4286,4287, 4289	*02*,15,*09*, *06*
959	58.0	+46 46	6.5	6.62	3559,3577,3951	09,*11*,02
879	58.1	+32 11	6.6	6.48	3575,3615,3922	*20*,22,*02*
1975	58.1	−26 25	5.4	*5.02*		. *06*,05
859	58.2	+54 15	7.2	6.31	3555,3577,3951	*04*,03,01
1300	58.2	+49 55	7.5	*7.17*		A . .
1744	58.2	−39 52	6.4	6.02	3195,3221,3563	03,04,*07*
956	58.3	+55 13	7.4	*7.91*		A . .
1013	58.3	− 8 48	7.0	6.78	3230,3238,3944	*03*,08,*05*
723	58.4	+27 33	6.5	6.53	3570,3570,3589, 3617,3922	02,03,*24*, 07,14
755	58.4	+21 9	6.7	6.34	3570,3922,3924	03,*09*,06
819	58.4	+ 6 30	7.4	7.59	3188,3217	06,*06*
2161	58.4	−31 30	7.1	7.21	3195,3221,3563	*01*,11,*11*
1993	58.4	−37 7	7.4	7.52	3195,3221,3563	10,*13*,02
R	58.5	−22 57	R	5.86	3221,4277	26,*27*
780	58.6	+26 35	7.5	7.42	3570,3922	01,*02*
2163	58.6	−31 55	6.5	6.10	3221,3223,3563	00,*03*,04
302	58.7	+69 30	6.5	6.67	3950,3966	*11*,11
1111	58.7	− 2 41	7.0	6.85	3230,3238,3944	15,*05*,*10*
1024	58.8	+51 29	5.2	4.87	3610,4270,4275	*01*,*07*,08
725	58.9	+27 48	R	*F*		. . A
732	58.9	+15 16	5.3	4.57	3213,3235,3956	10,01,*12*
787	59.0	+ 7 41	7.3	*7.12*		. A .
825	59.1	+14 44	7.2	6.63	3943,3956	10,*10*
958	59.3	+55 24	7.3	*7.46*		A . .
1091	59.3	+44 36	7.3	*7.32*		A . .
973	59.3	+35 48	6.5	6.37	3615,3922,3924	*02*,*01*,02
1083	59.3	−10 47	7.5	7.41	2857,2866	*02*,02
1027	59.3	−14 31	6.5	6.34	2857,2866	*08*,07
1029	59.3	−14 42	7.0	6.98	2857,2866	08,*07*
1075	59.4	− 6 10	7.2	6.72	3238,3239,3240	16,*14*,*02*
959	59.5	+55 37	7.1	7.11	3555,3577	*04*,04
1058	59.5	+41 6	3.4	3.25	3577,4270,4275	10,*13*,02
953	59.5	+33 47	7.0	6.94	3575,3615,3922	*03*,*13*,16
818	59.6	+22 56	7.5	6.66	3570,3589,3914, 3914,3918,3918, 3921,3921,3922, 4283,4288,4289, 4289,4291,4291	03,*26*,*24*, *13*,23,12, *15*,*05*,*09*, 46,16,*04*, *01*,*05*,06
847	59.6	+19 40	6.5	6.33	3943,3956	23,*23*
721	59.6	+12 39	8.0	8.25	3975,3975,3979, 3979,4306,4306, 4333,4338,4338, 4338	*13*,*12*,05, 06,*16*,*22*, 05,29,22, *11*
274	59.7	+73 49	5.5	5.34	3235,4270,4275	00,*03*,02
862	59.7	+54 52	7.5	*7.86*		A . .
1122	59.7	+50 9	7.5	*7.37*		A . .
1170	59.7	+43 2	6.8	6.21	3577,3610,3951	*05*,*09*,13
783	59.7	+26 17	6.5	6.56	3570,3589,3922	06,*01*,*04*
852	59.7	+ 8 49	7.0	7.39	3188,3217	06,*06*
2795	59.7	−24 32	5.8	5.54	3192,3198	16,*17*
998	59.9	− 3 11	6.0	5.90	3240,3948	*08*,08
938	0.0	−15 5	7.5	*7.50*		A . .
500	0.1	+64 47	6.9	6.36	3950,3951	*14*,13
990	0.2	−18 1	7.3	7.73	3857,3866	07,*07*
1065	0.4	−21 22	7.5	7.62	2851,2862	21,*21*
190	0.5	+76 21	6.7	6.31	3196,3211,3951	05,12,*16*
730	0.5	+62 21	7.0	6.74	3196,3211,3951	*06*,22,*16*
1003	0.5	−20 23	7.2	7.19	2862,3931,4277, 4278,4283	*55*,16,29, *04*,13
825	0.7	+22 24	7.0	7.01	3570,3589,3914, 3914,3921,3921	20,00,*16*, *13*,04,07
2089	0.8	−35 37	4.7	4.66	3195,3230,3545, 3563,3574,3592, 3607,3932,3944, 3948,3951,3956, 3956,3957,3979, 4297,4308	08,*04*,*21*, 01,21,02, *08*,*18*,07, 08,01, R, 02,*23*,02, *11*,26
2090	0.9	−35 51	6.5	6.32	2871,3185,3563	24,*11*,*13*
803	1.0	+13 57	7.5	7.42	3182,3213	15,*15*
727	1.0	+12 35	8.5	8.80	3918,3918,3921, 3921,3969,3969, 3975,3975,3979, 3979,4306,4306, 4308,4308,4333, 4333,4338,4338	39,35,09, 07,20,00, *65*, R,00, *15*,17,*13*, 06,*01*,*08*, *08*,*08*,*19*
892	1.1	+32 37	7.5	7.50	3575,3615	*02*,03
1000	1.2	−22 30	3.7	*3.40*		. 03,*04*
2005	1.2	−26 17	6.2	*5.87*		. 06,*06*
566	1.3	+63 27	7.0	6.66	3196,3211,3951	22,00,*23*
1226	1.4	+49 0	7.0	6.63	3577,3610,3951	05,18,*23*
779	1.5	+18 30	5.2	5.04	3967,4271	05,*05*
1778	1.5	−39 41	7.5	7.61	3192,3221,3563	01,01,*03*
1044	1.8	− 4 47	5.0	5.08	3944,4271	*15*,16
1045	1.8	−14 50	7.1	7.07	2857,2866,3213, 3214,3217,3218	*01*,*06*,*09*, *07*,03,21
885	1.9	+20 17	5.3	*5.20*		. 00,01
755	2.0	+24 8	5.8	*5.54*		. . A
766	2.0	+21 34	6.3	5.98	3922,4286,4287, 4289	*13*,01,05, 07
1156	2.0	− 5 18	8.0	7.18	3238,3239	10,*10*
1063	2.0	−13 15	6.0	*6.06*		. 09,*10*
367	2.1	+67 33	6.9	7.28	3196,3235	*10*,09
732	2.1	+12 25	7.5	8.09	3213,3235,3562,	16,*34*,*10*,

5^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3563,3592,3943, 3956,3967	19,*09*,*01*, 01,17
736	2.2	+ 9 21	6.8	*6.26*		. A .
1014	2.2	− 3 38	8.5	8.10	3238,3239	00,01
751	2.3	+28 9	7.0	7.00	3570,3589,3922, 3924	18,*35*,21, *03*
718	2.3	+10 46	7.1	*7.03*		. A .
866	2.5	+ 8 22	5.8	*5.50*		. 09,*09*
812	2.6	+ 7 46	7.4	6.79	3182,3138,3943	14,06,*19*
1035	2.7	− 8 47	7.5	*6.88*		. A .
1028	2.7	−17 26	6.5	7.16	2857,2868	04,*04*
1041	2.8	+38 34	7.1	7.02	3615,3924	08,*09*
1076	2.8	−12 37	6.2	*6.03*		. . A
1102	2.8	−19 32	7.0	6.67	2857,2868	00,00
2106	2.8	−35 10	7.5	7.96	2871,3192,3563	06,*11*,04
853	2.9	+19 45	6.5	*6.55*		A . .
1162	2.9	− 5 13	3	*2.88*		00, . *01*
1051	3.1	−14 6	7.5	8.14	2857,2868	*08*,08
724	3.2	+11 38	7.1	7.41	3213,3943	04,*04*
1080	3.2	−12 43	7.0	6.69	2857,2868,3944	10,*03*,*06*
1029	3.2	−17 25	7.0	7.36	2857,2868	04,*04*
307	3.3	+69 43	7.0	*7.24*		A . .
970	3.3	+46 50	6.0	5.60	3983,4270,4275	*07*,12,*05*
822	3.4	+29 40	6.5	6.56	3922,3924	*07*,06
1067	3.5	+37 11	6.4	6.17	3615,3617,3924	*08*,20,*11*
732	3.5	+27 55	5.5	5.98	3589,3617,3922	06,04,*10*
1024	3.5	− 3 8	7.5	7.20	3238,3239	10,*09*
1023	3.6	− 2 57	7.5	6.87	3238,3239,3944	03,*16*,14
1037	3.6	− 8 47	7.0	5.67	3238,3239,3944	09,*01*,*08*
371	3.7	+67 21	7.0	7.12	3196,3235	06,*05*
785	3.7	+ 3 6	7.0	6.54	3182,3188,3943	06,*02*,*04*
950	3.7	−15 14	6.5	6.65	2868,3944,3948	12,*26*,13
1015	3.7	−20 15	7.3	7.07	2862,3277	*33*,33
734	3.8	+27 26	7.3	6.91	3570,3589,3922	06,*25*,18
743	3.8	+ 9 42	6.0	*5.46*		. 13,*12*
1056	3.8	− 4 35	6.2	5.02	3944,4271	*06*,07
766	3.9	+61 44	6.7	5.99	3196,3235,3550, 3555,3559	29,*22*,17, *19*,*03*
864	3.9	+58 20	7.5	7.10	3555,3559	*10*,11
464	4.0	+65 56	7.3	7.88	3196 3235	00,*01*
752	4.0	+15 28	5.0	*4.91*		. . A
985	4.1	− 7 18	7.5	8.28	3238,3239	10,*10*
1010	4.1	−18 14	7.2	7.64	2868,3238	08,*08*
734	4.2	+62 34	6.7	*6.38*		. A .
804	4.2	+30 40	7.0	6.91	3575,3615,3924	06,*05*,00
373	4.4	+67 15	7.5	7.58	3196,3235	10,*11*
1040	4.4	− 8 58	4.2	*4.30*		. . A
821	4.5	+13 26	7.0	*6.73*		. A .
819	4.5	+ 8 3	7.6	7.09	3182,3188	*06*,06
1155	4.5	− 2 16	7.0	6.72	3238,3239,3944	08,*11*,02
238	4.6	+74 25	7.2	7.25	3196,3235	11,*11*
2126	4.7	−35 51	6.9	6.55	2871,3185,3563, 3574,3607,3981, 3944,3948	*09*,46,*21*, 06,*11*,07, *10*,*09*
1004	4.9	+35 50	7.2	7.32	3615,3617	*07*,07
830	5.0	+29 37	7.0	*7.01*		A . .
867	5.0	− 0 41	6.7	*6.34*		14, . *15*
812	5.1	+30 42	7.0	6.76	3575,3615,3924	00,*01*,00
1061	5.1	− 3 59	7.5	7.70	3238,3239	20,*19*
735	5.2	+62 59	7.5	6.74	3196,3235,3951	04,*07*,02
989	5.2	− 7 11	8.7	8.17	3239,3240,3944	11,*17*,06
2466	5.2	−23 15	7.3	7.36	2862,3198,3563, 3574,3592	*29*,26,07, 00,*03*
1126	5.3	+44 19	7.5	7.49	3555,3577	*05*,05
1205	5.3	+39 59	7.1	6.84	3924,3931,3932, 3932	*03*,06,01, *05*
833	5.3	+29 48	6.5	6.74	3922,3924	*03*,08
1028	5.5	−22 37	7.6	7.08	2862,3198,3563, 3592,3607,3981, 3944,3948	*41*,24,20, 09,*22*,10, 02,*05*
905	5.6	+32 47	7.5	7.58	3575,3615	*05*,06
280	5.9	+73 9	5.8	5.77	3185,3190,3213, 3216,3217,3235, 3236,3240,3241, 3245,3246,3247, 3248,3547,3550, 3570,3574,3575, 3589,3604,3607, 3610,3614,3617, 3921,3937,3943, 3949,3955,3956, 3965,3975,3980, 3983,3984,3988, 4275,4282,4289, 4293,4295,4306, 4333,4334,4346	*02*,*21*,*25*, *02*,*24*,*13*, 20,*02*,*32*, *22*,05,39, *11*,05,11, 07,*02*,*01*, 05,08,*32*, *05*,*11*,07, 19,18,03, *10*,*29*,*18*, 11,*07*,20, *02*,32,22, 00,09,04, 10,07,17, *20*,14,02
1128	5.9	+44 27	7.0	7.26	3555,3577	*12*,*12*
1089	5.9	−11 46	7.5	7.00	3238,4271	03,*03*
759	6.0	+15 55	5.7	*5.37*		. . A
1161	6.0	− 2 22	7.0	6.32	3238,3239,4271	08,*11*,02
2148	6.0	−33 39	7.5	7.86	3192,3221,3563, 3607	*01*,13,*04*, *07*
169	6.1	+79 7	5.2	5.12	3235,4270,4275	02,02,*03*
796	6.2	+26 21	7.0	6.84	3570,3589,3922, 3924	28,*11*,*08*, *09*
1165	6.3	− 2 37	6.0	5.90	3238,3239	00,01
2244	6.3	−31 28	7.5	7.78	2871,3192,3563, 3921,3921,3984, 3984,3988,3988, 4306,4306,4308,	R,25,08, 17,01,21, 16,*14*,*16*, *21*,*33*,12,

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
						4308,4338,4338	*07*,00,*13*
857	6.4	+59	16	6.5	6.30	3951,3969,4270, 4275	00,09,01, *12*
1025	6.4	−20	52	7.3	7.26	2862,3198	*22*,22
1091	6.5	+37	14	6.9	6.52	3575,3615,3924	*06*,*08*,15
1063	6.6	+38	22	5.2	4.74	3575,3615,4286	*08*,*04*,13
864	6.6	+ 6	43	7.5	7.74	3182,3188	19,*19*
975	6.6	+ 0	55	6.5	6.15	3943,4271,4283	*02*,*03*,04
974	6.6	+ 0	24	7.8	6.60	3943,3967	*03*,04
872	6.7	+53	6	6.5	6.13	3550,4270,4275	24,*12*,*13*
865	6.7	+ 6	44	7.9	7.89	3182,3188	04,*04*
1092	6.7	−11	58	6.5	6.01	3198,3213,3214	*10*,10,01
2045	6.7	−26	2	6.6	*6.56*		. *04*,05
1047	7.0	+36	55	7.0	6.78	3575,3615,3924	04,*04*,01
2154	7.4	−35	2	7.3	7.34	2871,3192,3563	*10*,24,*14*
1117	7.7	+47	4	7.0	6.97	3555,3577,3983	*01*,02,*01*
1095	7.7	−11	59	5.0	*4.49*		. . ▲
2232	7.7	−30	21	7.0	6.97	3185,3186,3192, 3195,3198,3213, 3545,3607,3944	*28*,01,*05*, 20,21,11, *17*,*05*,04
827	7.9	+30	18	7.5	*7.21*		▲ . .
1109	7.9	− 6	10	6.5	6.01	3238,3239,3944	17,*13*,*05*
971	8.0	−15	4	7.3	*7.40*		▲ . .
888	8.1	+ 2	45	4.8	*4.72*		. 08,*07*
895	8.2	+31	18	6.8	6.78	3575,3615,3924	*01*,12,*11*
2071	8.2	−37	31	6.8	6.74	2871,3192,3563	04,18,*23*
938	8.3	+ 1	51	6.8	6.25	3182,3213,3943	15,*03*,*11*
1072	8.4	−16	19	3	*3.28*		. . ▲
878	8.7	+53	22	8.3	8.27	3918,3918,3920, 3920,3922,3922	*04*,00,*08*, 16,*08*,06
988	8.7	+ 0	26	7.0	6.49	3943,3956,3956	01,09,*11*
1059	8.7	− 8	16	7.0	6.16	3238,3240,3944	20,*09*,*12*
1092	8.7	−13	3	4.7	*4.38*		. 07,*07*
220	8.8	+75	4	7.5	*7.97*		▲ . .
922	8.8	+32	35	5.5	5.03	3924,4286,4287, 4289	*16*,08,*09*, 17
874	8.9	+54	4	7.5	*7.81*		. 08,*08*
2138	8.9	−27	17	7.3	7.50	2862,2865	*02*,02
2137	8.9	−27	18	6.7	*7.22*		. 01,00
989	9.0	+46	19	7.1	*6.94*		. ▲ .
299	9.1	+71	37	6.8	6.76	3196,3235,3951	22,*19*,*03*
880	9.1	+53	29	9.0	9.08	3550,3555	10,*09*
1227	9.1	+42	40	7.4	7.76	3555,3577	*06*,07
1054	9.1	−17	13	7.3	7.49	2868,3238	13,*13*
379	9.2	+67	53	7.5	7.38	3196,3235	10,*11*
977	9.3	+55	25	7.3	*7.41*		▲ . .
1077	9.3	+45	54	1.0	*0.24*		. . ▲
876	9.3	+19	56	7.5	*7.70*		▲ . .
877	9.4	+ 5	3	6.0	*5.78*		02, . *03*
1074	9.4	−14	43	6.0	6.18	3239,4271	*06*,06
864	9.5	+22	10	6.8	*6.16*		. *01*,01
890	9.5	− 0	41	7.0	6.89	3238,3240,3944	*09*,03,05
300	9.6	+71	7	7.5	8.08	3196,3235	20,*21*
980	9.7	+34	12	6.7	*5.75*		02, . *02*
900	9.7	+ 8	18	7.3	7.19	3182,3188	*06*,06
1063	9.7	− 8	19	1	0.40	3944,4271	10,*09*
1131	9.7	−10	33	7.5	7.56	2868,2876	00,*01*
2539	9.7	−23	6	7.3	7.43	2862,2865,2871, 2876,2883,2884, 3185,3186,3188, 3921,3921,3969, 3969,3984,3984, 3988,3988,4297, 4297,4306,4306, 4308,4308	64,02,*09*, 06,03,*08*, *14*,*31*,*18*, 08,08,05, *10*,17,08, *22*,06,18, 07,*12*,*13*, *12*,08
2213	9.7	−32	1	7.7	7.67	2871,3192,3563	*05*,18,*13*
1028	9.8	+35	58	7.2	7.13	3615,3617	*19*,19
807	9.8	+25	51	7.3	7.90	3589,3922,3924	03,*05*,02
2214	9.8	−32	11	7.3	7.12	2871,3192,3563	20,03,*23*
78	9.9	+85	36	7.0	*6.70*		11, . *12*
1012	9.9	− 7	12	7.0	6.88	3238,3240,3944	30,*18*,*13*
1107	9.9	−21	46	7.5	7.64	3198,3223	21,*20*
2176	10.2	−35	56	7.5	6.97	2871,3185,3563	*01*,04,*02*
1236	10.3	+39	21	7.0	7.28	3615,3617	*10*,10
837	10.3	− 1	31	6.5	*6.25*		. . ▲
1121	10.3	− 6	55	7.5	7.54	3238,3240	04,*04*
2084	10.3	−26	54	7.5	7.32	2862,3198	*10*,09
183	10.4	+78	19	6.8	6.80	3196,3218,3951	06,13,*18*
2085	10.4	−26	19	7.0	7.06	3198,3223	05,*06*
385	10.5	+66	38	6.8	6.59	3211,3236,3969	*03*,09,*07*
756	10.5	+11	14	6.0	*5.48*		. 05,*06*
874	10.8	+58	1	6.5	*6.17*		. . ▲
1084	10.8	− 4	55	7.3	*7.20*		▲ . .
1248	10.9	+48	49	6.5	7.15	3555,3577	*09*,09
772	10.9	+28	49	6.5	6.89	3589,3924,4286	*03*,03,01
742	11.0	+62	33	6.0	5.87	3185,3190,3213, 3214,3216,3217, 3218,3235,3236, 3236,3239,3245, 3246,3249,3249, 3251,3545,3550, 3570,3574,3592, 3610,3614,3615, 3617,3627,3921, 3937,3943,3949, 3955,3959,3969, 3975,3980,3984, 3988,4275,4282, 4289,4306,4308, 4333,4345,4346	21,*09*,*11*, *21*,*20*,*11*, 30,*10*,01, *09*,11,11, 09, R,19, 11,14,*07*, 05,*02*,*09*, *05*,26,01, 14,*32*,24, *19*,*24*,*25*, 24,01,09, 17,22,*22*, *31*,*08*,06, 18,19,*05*, *15*,*25*,*05*

5^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
884	11.0	+20 0	7.2	*7.60*		A . .
2127	11.0	−36 5	6.1	5.82	3185,3186,3195,3213,3217,3230,3545,3550,3563,3589;3948,3951,3956,3957,4270,4275,4283,4297,4308	*03*,*22*,15,18,*19*,06,*06*,07,*09*,01,23,04,*08*,*16*,15,*10*,02,*09*,06
1239	11.1	+42 41	6.0	5.83	3577,4270,4275	01,16,*18*
2057	11.3	−28 27	7.0	7.10	3198,3223	*04*,04
888	11.4	+23 55	6.8	6.89	3570,3589,3922	04,09,*13*
2161	11.4	−27 3	5.4	*5.14*		. 10,*09*
760	11.5	+12 28	7.1	7.24	3182,3213	09,*09*
957	11.5	+ 1 50	6.8	6.37	3182,3188,3943	03,*05*,02
1117	11.5	−11 28	7.0	6.51	2868,2876,3592	*15*,34,*20*
2566	11.5	−23 0	6.9	6.86	2862,2868,4277	*09*,37,*29*
2143	11.5	−29 52	7.3	7.48	2862,3198	*22*,23
1240	11.6	+40 21	6.7	6.33	3931,3932,3937,3948	04,05,*10*,01
1073	11.6	+36 31	7.3	7.56	3615,3617	*09*,09
1000	11.6	+33 17	5.1	4.79	3615,4286,4287,4289	*15*,03,02,11
886	11.6	+20 1	6.8	6.79	3943,3967	*16*,16
2135	11.7	−36 46	7.0	6.64	2871,3185,3563	*08*,08,*01*
141	11.8	+83 47	7.1	*7.26*		A . .
1002	11.8	+33 39	6.5	*6.11*		. *11*,11
1245	11.9	+40 59	7.3	6.82	3617,3931,3932,3937	10,*03*,*05*,*02*
773	11.9	+28 41	7.3	7.25	3589,3924,3932	*19*,20,*01*
1248	12.1	+40 1	4.9	4.85	3617,3937,4286	*06*,07,*02*
2199	12.2	−35 2	7.0	6.47	2871,3185,3186	07,*20*,14
1069	12.3	−17 15	7.0	6.48	2868,2876,3562,3592,3610	*16*,40,*10*,*09*,*05*
285	12.4	+73 36	6.5	7.08	3211,3218	*10*,10
1008	12.4	+33 39	6.2	5.47	3615,3617,4286	*03*,02,00
2347	12.5	−25 26	7.8	7.66	2862,3198,3563,3574,3592	R,21,*05*,*07*,*11*
994	12.6	+34 47	7.8	6.99	3943,3948,4286	*06*,01,05
2242	12.6	−32 37	7.5	7.06	3192,3221,3563	*04*,01,02
2217	12.7	−33 39	7.5	7.03	3192,3221,3563	*08*,16,*08*
1170	12.8	+44 19	7.0	6.72	3555,3577,3980	14,*06*,*07*
1010	12.8	+33 53	7.2	6.52	4286,4287,4289,4291	11,*09*,*07*,05
1028	12.8	− 6 57	4.0	*3.62*		. . A
913	12.9	− 0 9	7.5	*7.38*		A . .
1073	12.9	−17 53	7.0	6.83	2868,2876,3944	*11*,15,*05*
1001	13.0	−15 19	7.2	6.72	3944,3948	04,*03*
187	13.1	+78 13	7.0	6.77	3196,3218,3236,3550,3555,3559	19,*24*,20,02,05,*20*
998	13.1	+46 52	7.0	6.48	3555,3577,3980	*10*,13,*02*
1255	13.1	+39 41	7.3	*7.17*		A . .
1116	13.1	−13 37	6.0	*5.71*		. . A
882	13.2	+54 9	6.3	6.77	3980,3988	03,*03*
2328	13.2	−31 23	7.3	7.45	3192,3223,3563,3574,3592,3921,3921,3984,3984,3988,3988,4297,4297,4306,4306,4308,4308	33,05,*01*,07,*05*,*15*,*10*,27,33,*24*,*14*,*15*,*30*,*09*,*11*,14,07
1253	13.3	+40 59	5.8	5.56	3617,3931,3932,4286	09, R,*01*,*09*
816	13.3	+22 0	5.5	*5.13*		. . A
870	13.4	+59 11	7.0	7.32	3550,3559,4270	*06*,*08*,15
1086	13.4	+36 34	7.5	7.38	3615,3932	*06*,06
1054	13.4	+35 41	7.5	7.47	3615,3932	05,*05*
1013	13.4	+33 52	5.9	5.31	3617,4286,4287,4289	03,*11*,05,04
893	13.4	+20 1	6.5	6.25	3967,4271,4283	*04*,05,00
945	13.5	+32 41	7.4	7.01	3575,3615	01,*01*
1218	13.5	− 5 46	7.0	7.09	3238,3240	*01*,01
1136	13.7	− 6 21	7.5	7.59	3238,3240	*11*,11
1253	13.9	+42 24	7.1	7.47	3555,3577	*06*,06
2214	13.9	−35 0	5.1	4.96	3185,3186,3192,3195,3213,3217,3221,3545,3550,3562,3589,3592,3948,3951,3956,3957,4270,4275,4283,4297,4308	01,*05*,02,15,*05*,22,25,05,03,*10*,04,07,*03*,*08*,*03*,*26*,02, R,07,*21*,*11*
1884	13.9	−39 23	7.5	6.71	2871,3185,3563	01,*08*,08
195	14.0	+77 53	7.0	6.72	3196,3218,3550	14,*09*,*05*
1255	14.0	+42 16	7.4	7.74	3555,3577	01,*02*
1146	14.0	+37 20	7.2	6.75	3615,3932,3937	*13*,*02*,14
916	14.0	+ 2 30	6.1	5.40	3182,3979,4271	10,*19*,08
2361	14.2	−25 21	8.2	7.46	2862,3198,3223	R,01,*01*
898	14.4	+19 30	6.5	6.62	3967,3979	*09*,09
1051	14.4	−18 14	6.3	*5.95*		. . A
241	14.6	+74 27	7.1	7.18	3211,3218	*15*,15
859	14.6	− 1 31	6.5	*6.43*		. . A
1162	14.7	+41 43	6.0	*5.10*		. . A
758	14.7	+27 51	6.5	6.36	3589,4286,4287,4289	*17*,02,20,*06*
1221	14.7	− 4 59	7.3	*7.35*		A . .
1258	14.8	+42 11	7.0	7.16	3555,3577	*09*,09
833	14.9	+58 51	7.5	7.75	3555,3559	08,*08*
879	14.9	+57 27	5.8	*5.17*		. . A
1182	14.9	+44 59	7.4	*7.52*		A . .
869	14.9	+29 29	6.0	*5.80*		. . A
758	14.9	+10 47	7.0	7.44	3213,3967	01,*02*
1055	14.9	−18 37	7.3	6.17	3238,3240,3944,	*03*,20,06,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4349,4349	*18*,07
1056	14.9	−18 36	7.0	6.36	3238,3240,3944	*02*,*09*,12
523	15.0	+64 37	7.5	*7.65*		A . .
1272	15.0	+39 28	7.5	7.38	3932,3937	07,*07*
902	15.0	+19 43	6.5	6.52	3967,3979	*01*,01
1127	15.0	−13 17	5.0	*4.17*		. . A
1223	15.1	− 5 18	8.0	7.09	3238,3240	09,*09*
579	15.3	+63 17	7.0	7.27	3211,3236	*01*,01
989	15.4	+55 59	6.5	6.94	3980,3988	*05*,06
806	15.4	+ 9 38	7.0	*6.52*		. A .
1132	15.4	−12 25	6.2	5.27	3186,4271	*06*,06
2370	15.4	−25 13	7.3	7.21	2862,3198,3223	R,*04*,04
2204	15.4	−27 28	6.1	6.08	3198,3223	01,*01*
924	15.5	+ 2 27	7.2	6.66	3182,3217,3943	04,13,*16*
1225	15.5	− 5 28	7.0	6.29	3238,3240,3944	*21*,11,09
242	15.6	+74 13	7.1	6.94	3211,3218,3983	*01*,*11*,12
926	15.6	+ 2 50	7.3	6.74	3182,3217,3943	06,05,*12*
351	15.7	+70 9	6.7	*7.04*		A . .
1007	15.7	+46 56	7.0	7.08	3577,3610	01,*02*
1268	15.7	+40 56	6.0	5.49	3615,4286,4289	*07*,*02*,08
939	15.7	+31 16	7.5	8.02	3575,3932	05,*05*
760	15.7	+11 0	7.0	7.46	3213,3236	19,*20*
2148	15.7	−26 2	7.1	7.13	3198,3223	11,*11*
1160	15.8	+37 35	7.2	7.39	3615,3932	*07*,07
857	16.1	+ 3 54	7.3	6.41	3182,3217,3943	*01*,*02*,03
1135	16.2	−21 20	5.0	*4.74*		. 02,*03*
933	16.4	+ 8 20	6.5	*5.68*		. *03*,04
1231	16.4	− 5 55	7.5	7.34	3238,3240	04,*04*
929	16.5	− 0 31	6.4	5.77	3948,4271	01,*01*
876	16.7	+29 37	7.5	*7.76*		A . .
787	16.7	+28 22	7.3	7.36	3589,3924	*04*,04
799	16.7	+16 1	7.2	7.38	3213,3235	09,*10*
930	16.7	− 0 29	4.8	*4.55*		. . A
1018	16.7	−15 15	7.5	*7.65*		A . .
2198	16.7	−34 48	6.8	6.31	2871,3185,3562	*07*,06,00
1105	16.8	−14 39	7.8	*7.21*		A . .
899	16.9	+ 5 18	7.5	*7.16*		A . .
2192	16.9	−29 18	7.5	7.14	3198,3223	*03*,04
788	17.0	+28 51	7.0	*6.39*		. A .
1075	17.0	− 3 3	8.0	6.96	3238,3240,3944	14,*14*,*01*
1113	17.1	+36 18	6.8	6.90	3589,3932,3937	*15*,05,10
1135	17.2	−13 51	7.2	6.47	3186,3238,3944	05,*06*,01
1919	17.3	−39 51	7.0	7.16	3185,3192,3563	01,04,*05*
2338	17.4	−30 10	7.3	7.43	3192,3562,3944	*11*,13,*03*
1098	17.5	−17 42	6.8	6.94	3186,3238,3944	*11*,*08*,20
871	17.6	+ 3 27	5.3	4.93	3182,3217,3235, 3980	*13*,36,*10*, *14*
872	17.6	+ 3 28	7.5	7.07	3943,4271	33,*33*
1099	17.6	− 8 45	7.0	7.02	3238,3240	04,*05*
3023	17.7	−24 52	5.7	5.08	2862,3239,4277	R,*05*,05

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2207	17.7	−34 26	6.4	6.03	2871,3221,3562	*16*,11,06
805	17.8	+15 55	8.0	6.94	3213,3967,3979, 3979,3988,3988, 4297,4297,4306, 4306,4308,4308	03,*04*,*11*, 02,20,00, *05*,*02*,02, *08*,*04*,10
1175	17.9	+37 17	5.3	*5.20*		. . A
765	17.9	+16 36	6.8	*6.09*		. 05,*05*
1035	17.9	+ 0 58	7.9	6.95	3943,3979	*10*,10
1122	18.0	+36 7	6.8	6.74	3589,3932,3937	14,*03*,*12*
1922	18.1	−39 35	7.3	7.40	2871,3185,3563	07,*01*,*06*
954	18.2	+31 8	6.6	*6.37*		. . A
955	18.2	+31 3	6.4	5.98	3932,4286,4289	*03*,*03*,07
905	18.2	+ 5 14	7.0	6.30	3980,3984	*11*,11
770	18.4	+10 59	7.3	7.45	3213,3235,3235	00,*10*,10
2296	18.4	−32 38	7.5	7.88	3221,3223,3562	19,*04*,*14*
1107	18.5	− 8 30	6.7	5.89	3240,4271	*02*,02
1031	18.6	+34 45	7.0	6.54	3932,3937	10,*10*
920	18.6	+17 17	5.5	*5.11*		. . A
936	18.6	− 0 15	6.5	*5.54*		04, . *03*
2001	18.6	−38 35	7.3	7.92	2871,3221,3563, 3574,3592	*17*,38,*13*, *02*,*04*
882	18.8	− 0 57	7.2	6.11	3238,3240,3944	*21*,11,10
1036	18.9	+34 6	7.3	*6.83*		. . A
1119	18.9	−14 1	5.8	5.20	3186,3238	18,*19*
793	19.1	+11 27	7.0	7.30	3213,3235	15,*15*
1064	19.1	− 7 53	4.3	*4.26*		. . A
2185	19.2	−26 48	6.5	*6.46*		. *01*,00
948	19.3	+20 30	7.5	6.86	3922,3924,3932	*05*,*09*,13
947	19.4	+ 2 15	7.4	6.32	3182,3217,3969	*12*,17,*04*
886	19.4	− 0 59	6.0	5.18	3240,3944	*06*,05
1235	19.4	− 2 29	3.7	*3.38*		. . A
2414	19.4	−31 50	7.5	7.45	3221,3223,3562	*15*,33,*18*
1029	19.5	+56 12	7.5	7.96	3555,3559	02,*02*
1099	19.5	−22 23	7.3	7.26	3239,3240	*06*,07
1005	19.6	+ 1 45	5.0	*4.77*		. *01*,01
919	19.8	+ 6 16	2.0	*1.62*		. 02,*03*
1270	19.9	+43 55	7.4	7.48	3577,3610	18,*18*
795	20.0	+28 31	2.0	*1.66*		. . A
1117	20.0	−17 3	6.3	*5.63*		. . A
1940	20.1	−39 46	6.2	6.00	3185,3217,3218, 3247,3545,3563, 3574,3589,3956, 4270,4271,4283, 4289,4291,4297, 4308	*13*,33,19, 18,*02*,*29*, 05,*01*,05, *12*,*09*,*14*, *23*,13,*02*, 16
1102	20.2	+35 23	6.5	*6.30*		*08*, . 07
1040	20.2	+34 18	6.6	5.95	3575,3937,4286	*17*,24,*06*
1045	20.2	+33 11	6.5	*6.30*		. A .
2176	20.2	−37 25	7.3	6.87	3185,3221,3563	11,*10*,*02*
775	20.3	+16 36	7.0	*6.18*		. 03,*02*

5^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
814	20.3	+15 35	7.5	7.48	3213,3235	19,*20*
1178	20.3	−10 25	6.3	5.90	3230,4271	12,*11*
1274	20.4	+48 18	6.8	7.22	3559,3577	04,*03*
1273	20.4	+48 9	6.2	6.71	3559,3577,3983	*07*,07,00
1272	20.4	+43 17	6.8	6.75	3577,3610,3983	*07*,07,00
945	20.4	− 0 38	7.3	6.25	3238,3240,3948	*15*,07,08
759	20.7	+62 59	6.0	5.72	3188,3190,3211,	15,06,24,
					3211,3214,3216,	14,04,*15*,
					3221,3231,3239,	*05*,15,*24*,
					3240,3245,3248,	06,06,16,
					3249,3249,3251,	R,04,*14*,
					3545,3555,3592,	00,*09*,*02*,
					3598,3600,3606,	06,09,*03*,
					3610,3617,3627,	*04*,19,*08*,
					3631,3918,3920,	00,*05*,34,
					3925,3937,3949,	19,*16*,*09*,
					3959,3969,3970,	*15*,02,*18*,
					3972,3983,3984,	08,*02*,*16*,
					4271,4282,4286,	*04*,10,17,
					4291,4293,4295,	*04*,*18*,*16*,
					4314,4333,4345,	07,09,*07*,
					4346,4349,4352	07,*02*,*23*
1056	20.7	+ 0 25	7.0	5.99	3969,3980,4271	03,*03*,*01*
1157	20.7	−12 38	7.0	6.72	3186,3230,3948	*01*,10,*08*
1166	20.7	−19 27	7.5	6.95	3948,3957	03,*03*
898	20.8	+30 7	6.2	*5.70*		06, . *06*
884	20.9	+60 11	7.0	6.94	3983,3988	*19*,19
778	20.9	+16 9	7.3	7.82	3213,3235	05,*04*
1048	21.0	+34 24	6.0	5.36	3589,4286,4289	*13*,01,11
1175	21.0	− 6 27	7.5	7.49	3238,3240	*01*,01
1247	21.1	− 5 37	6.0	6.19	3957,3966	*04*,04
1049	21.2	+33 52	7.1	*7.50*		. A .
923	21.2	+ 6 47	7.1	6.39	3182,3217,3969	14,*06*,*08*
1130	21.2	−14 6	7.5	8.09	3186,3230	*11*,11
896	21.3	+54 5	7.5	7.99	3555,3559	00,00
928	21.3	+17 53	6.0	*5.27*		. *02*,02
1053	21.4	+33 41	6.8	*6.57*		. A .
822	21.5	+15 11	6.5	5.92	3969,3980	18,*17*
847	21.6	+21 51	5.8	*4.84*		. . A
962	21.6	+ 3 0	5.3	*4.62*		. 15,*14*
1173	21.7	−19 47	6.0	5.67	3948,3957	04,*04*
2241	21.7	−34 57	7.3	7.36	3185,3221,3562	*11*,25,*14*
912	21.8	+58 20	7.3	7.20	3615,4270,4275	*13*,25,*13*
1057	21.8	+34 37	6.7	*6.75*		A . .
1298	21.9	+42 12	6.9	6.76	3577,3615,3983	03,00,*02*
903	21.9	+ 3 45	7.2	6.61	3182,3217,3969	09,*02*,*08*
826	22.0	+15 48	6.0	5.58	3213,4271,4283	*11*,*21*,31
965	22.0	+ 2 16	6.9	6.53	3182,3217,3969	07,*04*,*03*
1250	22.0	− 2 27	7.5	6.56	3238,3240,3957	*16*,06,10
1152	22.1	−13 56	7.5	7.09	3186,3230	09,*09*
1085	22.1	−20 48	7.5	7.34	3239,3240	*12*,11
931	22.2	+17 10	6.5	*6.04*		. *20*,20
2336	22.2	−32 18	7.0	7.01	3223,3239,3562	23,*18*,*10*
762	22.3	+62 55	7.5	7.46	3236,3550,3920,	*08*,10,19,
					3920,3921,3921,	09,07,*03*,
					3925,3925,3937,	25,04,*02*,
					3937,3949,3949,	05,05,*16*,
					3959,3959,3969,	*07*,06,02,
					3983,3988,3988,	*01*,05,00,
					4333,4333,4345,	*20*,*01*,*12*,
					4345,4346,4346	*03*,*21*,*09*
782	22.4	+16 23	6.9	7.12	3213,3235	*05*,06
1169	22.5	−11 59	6.5	6.37	3186,3230,3948	04,*05*,02
2337	22.5	−32 36	7.7	7.56	3223,3239,3562	08,*18*,11
390	22.6	+67 56	7.0	6.92	3211,3236,3983	*06*,06,01
1147	22.7	−16 37	7.5	7.42	3186,3230	*06*,06
1126	22.8	+45 44	7.5	8.20	3615,3627	13,*12*
1003	22.8	+32 8	7.4	7.15	3575,3932,3937	*13*,02,11
1254	22.8	− 2 14	8.0	7.36	3238,3240	04,*04*
903	22.9	+18 37	6.5	6.26	3218,3235,3969	21,*18*,*03*
1021	22.9	+ 1 13	7.2	6.36	3969,4271,4283	05,*01*,*05*
1137	23.0	+35 18	6.6	6.75	3932,3937	03,*03*
1158	23.0	−13 39	7.5	7.29	3186,3230	09,*09*
327	23.1	+69 36	7.3	*7.94*		A . .
1064	23.1	+35 3	7.1	*7.07*		A . .
839	23.1	+25 4	5.5	5.44	3570,3924,4286	05,08,*13*
961	23.1	+20 22	7.5	*7.35*		A . .
801	23.2	+12 29	6.9	6.81	3218,3235,3969	24,*16*,*09*
1076	23.3	+51 13	7.5	7.66	3555,3559	03,*04*
1310	23.3	+40 27	7.2	*7.37*		A . .
960	23.3	− 0 4	7.0	6.59	3957,3966	*03*,03
2468	23.3	−31 39	7.1	7.25	3223,3239,3562	15,*03*,*13*
2244	23.3	−36 41	7.1	7.12	3221,3223,3563	03,*01*,*08*
909	23.4	+29 7	7.0	6.24	3589,3924,3932, 3937	*03*,06,*01*, *03*
862	23.4	+18 18	7.0	6.58	3213,3235,3969	09,*10*,01
1174	23.4	−21 28	6.1	*6.18*		. 02,*01*
2225	23.4	−26 40	6.9	7.10	3198,3239	11,*11*
1141	23.6	− 4 46	7.5	*7.42*		18,*17*, .
1095	23.6	−18 5	7.5	7.58	3948,3957	*12*,11
2452	23.7	−25 44	7.2	7.43	3198,3239,3563, 3574,3592	31,*22*,*02*, *12*,04
2260	23.7	−34 42	7.0	6.97	3185,3221,3562, 3563	*07*,07,05, *06*
1206	23.8	+41 23	6.7	6.09	3577,3615,3983	*01*,*01*,01
1322	23.8	+39 46	6.5	6.32	3937,3943	*11*,12
911	23.8	+29 29	7.5	7.16	3589,3924	*04*,05
1115	23.9	− 3 24	6.8	*6.17*		. . A
1133	23.9	− 8 28	8.5	6.87	3238,3240,3957	09,*10*,00
1884	23.9	−41 2	6.1	5.81	3190,3195,3245,	*08*,*12*,21,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3247,3589,4270,4271,4288,4289,4297,4308	25,*03*,09,*02*,07,*34*,*08*,04
249	24.0	+74 15	7.0	6.99	3211,3218,3983	*06*,*16*,23
889	24.0	+57 10	6.6	*6.46*		. ▲ .
1184	24.0	+50 57	7.0	7.60	3555,3559	10,*09*
1096	24.0	−20 50	3	*2.95*		*12*, . 12
1080	24.1	+51 9	7.5	7.88	3555,3559	*03*,03
1278	24.1	+48 52	7.5	7.30	3555,3559	*21*,22
992	24.1	+31 27	7.1	7.76	3575,3932	*01*,01
2359	24.1	−32 30	7.0	6.91	3223,3239,3562	23,*03*,*19*
792	24.2	+16 6	7.5	7.38	3213,3235	09,*10*
803	24.2	+12 12	7.0	7.00	3236,3241,3592,3627	*24*,25,25,*28*
1122	24.2	−22 31	6.6	6.82	3198,3239,3944	20,*14*,*06*
969	24.3	+20 29	7.5	6.90	3922,3924	05,*04*
250	24.4	+74 38	7.5	*7.47*		▲ . .
1116	24.4	− 3 32	6.3	*6.17*		. . ▲
1984	24.4	−39 19	7.1	6.78	3221,3223,3563	*01*,04,*02*
969	24.5	− 0 6	8.5	6.98	3957,3966	04,*03*
1364	24.6	+49 19	6.3	6.78	3627,3633,3983,3988	*09*,*01*,05,07
1092	24.6	− 7 21	6.8	6.55	3238,3240,3957	03,*05*,08
1985	24.6	−39 0	7.3	7.52	3221,3223,3563	20,*05*,*16*
1168	24.7	+47 8	7.5	7.74	3555,3559	*06*,06
925	24.7	+22 28	7.5	6.49	3570,3589,3922	06,*01*,*06*
837	24.7	+15 17	6.5	5.81	3241,3627,3969,3980	07,07,*03*,*10*
1032	24.7	+ 1 42	7.2	5.69	3217,3627,4271	00,17,*17*
913	24.7	− 1 11	5.5	*5.04*		. . ▲
2220	24.9	−37 19	5.9	5.45	3188,3190,3198,3221,3247,3545,3563,3589,3592,4270,4271,4275,4283,4286,4289,4291,4308	*20*,07,*08*,22,11,11,*22*,14,17,*05*,*12*,*17*,14,*22*,*24*,14,30
783	25.1	+27 41	7.3	7.50	3924,3932,3937	*03*,01,01
949	25.1	+ 4 7	7.4	6.37	3182,3217,3969	*07*,12,*06*
1317	25.2	+42 20	7.5	7.88	3555,3577	*12*,13
1131	25.3	+45 28	7.5	*7.82*		▲ . .
1132	25 3	+45 25	7.5	*7.92*		▲ . .
2421	25.3	−30 12	6.9	6.96	3223,3239,3562	30,*09*,*21*
800	25.4	+10 10	7.5	*7.27*		▲ . .
801	25.4	+10 5	7.4	*7.14*		03,*02*
939	25.4	+ 5 52	5.5	*4.32*		. *14*,13
1129	25.4	−22 48	8.0	7.72	3198,3239,3563	*10*,26,*15*
1099	25.5	− 7 31	6.0	*6.24*		. *04*,04
1023	25.7	+46 48	7.3	7.54	3555,3615	*09*,08
873	25.8	+18 10	7.4	6.98	3213,3235,3562,3592,3627,3633	29,*20*,05,08,*13*,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
934	25.9	+14 51	7.0	6.60	3969,3980	05,*06*
948	26.0	+ 3 13	6.5	*5.55*		. . ▲
313	26.1	+71 36	6.8	6.82	3211,3236,3983	04,*14*,11
1283	26.1	+48 14	7.5	7.70	3555,3559	*12*,12
1174	26.1	+36 15	7.0	7.08	3932,3937,3943	04,04,*08*
1024	26.2	+32 7	4.8	4.72	3932,3937,4286	01,*13*,11
835	26.2	+26 54	7.3	7.11	3589,3924,3932	*15*,03,11
860	26.2	+ 9 9	7.4	7.68	3182,3217	05,*05*
1204	26.2	−10 9	7.0	*7.01*		▲ . .
252	26.3	+74 59	6.5	6.47	3211,3236,3988	*14*,30,*16*
875	26.3	+18 32	4.4	4.91	3213,3592,4271,4283	*14*,08,*08*,15
1218	26.4	+42 2	6.8	6.30	3555,3577,3983	12,02,*15*
794	26.4	+16 59	6.1	*5.47*		. . ▲
1008	26.5	+31 48	7.0	7.26	3575,3932	09,*08*
1207	26.5	− 6 47	6.8	6.03	3240,3562,3957	*03*,*10*,12
1027	26.7	+32 13	7.5	6.54	3575,3932,3937	09,*02*,*07*
1126	26.7	− 3 18	7.2	6.77	3238,3240,4278	*07*,05,01
1301	26.8	+43 52	7.2	7.18	3555,3577	00,*01*
1105	26.8	−20 56	6.0	5.44	3944,4277	*08*,09
1028	26.9	+32 44	6.7	6.50	3575,3932,3937	*08*,20,*11*
983	26.9	− 0 22	2.0	*2.59*		. . ▲
1103	26.9	− 7 8	7.5	7.49	3238,3240	*01*,01
401	27.0	+66 38	7.0	6.24	3211,3236,3983	02,04,*05*
1368	27.0	+49 11	9.0	8.56	4306,4306,4308,4308,4333,4333	*13*,*08*,27,04,*06*,*06*
1083	27.0	+34 39	6.9	*6.05*		02, . *02*
1030	27.1	+32 40	7.0	6.64	3575,3932,3937	*05*,08,*03*
1106	27.1	− 7 23	5.0	4.48	3240,4278	*08*,07
1288	27.2	+48 58	7.5	7.74	3555,3615	*11*,10
1222	27.3	+41 3	7.5	7.06	3555,3577	03,*02*
854	27.4	+24 33	7.0	6.88	3922,3924	*03*,02
362	27.5	+70 18	7.0	6.81	3983,3988	*02*,02
986	27.5	− 0 4	7.5	*6.58*		▲ . .
1165	27.5	−16 45	7.0	7.18	3230,3238	10,*10*
536	27.6	+64 6	6.7	5.91	3236,4270,4275	*03*,04,*01*
877	27.6	+18 29	6.2	5.62	3235,4271,4283	*34*,07,26
1370	27.7	+49 30	7.5	7.58	3615,3627	07,*07*
989	27.7	+20 24	6.3	6.06	3924,4286,4289	*08*,14,*05*
935	27.7	− 1 40	6.0	5.38	3966,3984	04,*04*
2348	27.7	−35 33	4.1	4.05	3188,3190,3221,3223,4270,4271,4275,4283,4286,4289,4291	*03*,*02*,*09*,17,*15*,*03*,*11*,*05*,07,03,19
1174	28.0	+48 1	7.5	7.58	3559,3615	*05*,04
1310	28.1	+43 11	7.5	7.34	3615,4270	*07*,06
939	28.1	− 1 48	7.5	6.46	3238,3240,3562,3592,3627,3957,3966,3980,3984	64,*04*,*19*,*27*,22,*13*,*09*,*16*,03
947	28.2	+14 15	5.7	*5.50*		. . ▲

5^h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′						m.	° ′				
1168	28.2	−16 24	7.2	6.83	3230,3238,3957	05,*15*,09	1184	30.4	− 4 29	7.0	6.20	3957,3966	12,*11*
856	28.3	+15 31	7.5	*7.27*		A . .	1185	30.4	− 4 54	4.5	4.55	3245,4278	03,*03*
1166	28.3	−17 54	3	2.64	3230,4278	11,*11*	1315	30.4	− 5 27	4.0	*4.87*		05,21,*26*
914	28.4	+54 20	6.0	5.98	3615,4270,4275	*07*,09,*02*	1186	30.5	− 4 26	7.0	6.29	3241,3245,3957,	*11*,*11*,*03*,
943	28.5	− 1 14	7.4	5.22	3241,4278	*12*,11						3966,3966,4297,	*19*,*09*,04,
1242	28.6	+37 50	7.3	7.50	3932,3937	07,*08*						4297,4349,4349,	*06*,*20*,02,
1136	28.6	− 3 32	7.5	6.98	3238,3241,3957	02,02,*05*						4352,4352,4355,	14,13,21,
1178	28.7	+47 40	6.0	6.14	3615,3627,4270	*14*,03,10						4355	23
1058	28.8	+ 1 20	7.2	6.42	3182,3217,3969	08,07,*16*	1319	30.5	− 5 29	5.0	*5.31*		*03*, . 03
1247	28.9	+44 15	7.2	7.17	3577,3600	06,*06*	*1241*	30.5	− 5 59	3	*2.77*		. . A
2507	28.9	−25 26	7.1	7.35	3198,3239	12,*12*	1146	30.6	− 3 19	7.0	*6.33*		. A .
339	29.0	+69 55	7.1	*7.04*		A . .	1044	30.7	+56 18	6.9	*6.89*		. A .
1041	29.0	+56 25	7.3	*7.49*		. A .	1188	30.7	− 4 55	6.0	5.33	3238,3245	05,*05*
964	29.0	+ 3 42	6.2	*5.32*		. 01,*01*	1205	30.7	−21 8	7.5	7.40	3198,3239	18,*18*
949	29.0	− 1 6	7.7	6.18	3238,3241,3957	*08*,12,*03*	870	30.9	+26 52	6.7	5.70	3570,3589,3922	16,*27*,11
950	29.0	− 1 32	7.2	6.22	3238,3241,3957	*02*,*02*,05	1089	30.9	−15 48	7.2	6.67	3186,3230,3948	19,*19*,*01*
1119	29.2	− 7 6	6.8	6.61	3238,3241,3957	*03*,*13*,16	969	31.1	− 1 16	2.0	*1.64*		. *10*,10
954	29.3	+23 58	5.9	*5.14*		. . A	1190	31.1	− 4 29	7.8	7.12	3957,3966	*07*,06
877	29.3	+ 9 25	5.0	*4.60*		. *06*,05	2563	31.1	−31 46	7.3	7.14	3239,3240,3562,	06,01,11,
958	29.3	+ 5 35	7.3	*6.71*		. A .						3563	*17*
1000	29.4	− 0 5	7.7	6.58	3957,3966	*09*,08	806	31.2	+61 53	6.8	*6.65*		. A .
1167	29.4	− 4 52	7.5	6.89	3957,3966	*09*,09	1381	31.2	+49 21	6.8	*7.07*		A . .
2085	29.4	−38 35	5.8	5.48	3188,3190,3223,	02,*04*,28,	1102	31.2	+33 30	6.8	6.43	3575,3932,3937	*15*,15,*01*
					3239,4271,4275,	02,00,10,	1188	31.3	+35 32	7.0	7.32	3575,3932	*03*,02
					4286,4289,4291	*05*,*18*,*11*	822	31.3	+16 59	6.2	5.46	3236,4271,4283	02,*05*,03
806	29.6	+27 36	7.1	6.47	3570,3589,3924	08,*08*,00	1334	31.3	− 5 48	7.8	6.45	3241,3245,3957	13,*07*,*07*
879	29.6	+ 9 52	3.5	*3.48*		. 01,00	1131	31.3	− 7 28	7.0	7.26	3241,3245	00,*01*
2367	29.6	−35 13	6.4	5.96	3195,3221,3563	12,02,*13*	898	31.4	+ 9 15	4.6	*4.38*		. 06,*06*
1180	29.7	+47 53	7.2	7.34	3559,3600	*03*,03	828	31.5	+10 58	6.5	*6.10*		*12*,11,01
818	29.7	+10 10	6.5	*5.64*		03, . *04*	1238	31.6	+41 47	7.0	6.87	3577,3600,3983	20,*12*,*08*
1224	29.7	−10 35	7.5	7.52	3230,3238	*10*,11	2414	31.6	−33 9	6.0	5.83	3190,3240,4271,	15,*02*,01,
2315	29.7	−34 28	6.9	6.75	3223,3239,3240,	05,*19*,08,						4275,4286,4289,	R,03,*16*,
					3562	07						4291	*03*
1346	29.8	+40 7	6.7	6.13	3932,4286,4289	11,*02*,*08*	1150	31.7	+45 28	7.5	*8.12*		A . ..
80	29.9	+85 9	6.0	*6.42*		13, . *13*	908	31.7	+21 5	3.1	*3.02*		. . A
1005	29.9	+ 8 38	8.1	7.58	3198,3213,3217	*03*,07,*05*	1255	31.7	− 6 8	6.4	5.62	3241,3245,3957,	T,*14*,01,
1173	29.9	− 4 10	7.0	6.68	3241,3245,3957	*10*,10,*01*						4278,4286,4289	*09*,09,11
1124	29.9	− 7 16	6.8	6.93	3238,3241,3957	05,*05*,*01*	2539	31.7	−25 48	7.5	7.92	3198,3239	02,*01*
1127	29.9	−18 53	6.9	7.16	3186,3230	04,*04*	2419	31.8	−33 20	6.8	6.68	3190,3240	18,*19*
1231	30.0	+41 46	7.3	7.10	3577,3600	09,*08*	1016	31.9	+ 8 53	7.0	6.09	3182,3213,3969	24,06,*29*
1315	30.1	+44 1	7.3	7.42	3577,3600	08,*08*	989	31.9	+ 4 42	8.0	7.50	3182,3980	10,*09*
1233	30.1	− 6 5	6.8	*5.58*		. . A	1240	32.1	+41 18	7.0	6.56	3577,3600,3983	08,*06*,*03*
1234	30.1	− 6 5	5.4	*4.77*		. 10,*10*	963	32.2	+30 26	6.0	5.49	3248,4286,4289	*09*,*07*,15
2348	30.1	−29 55	6.6	*6.36*		. . A	2513	32.2	−30 36	7.7	7.54	3239,3240,3563	*09*,16,*06*
298	30.2	+73 56	6.8	6.79	3211,3218,3983	04,14,*18*	599	32.3	+63 14	7.0	7.18	3211,3218,3555,	*22*,29,00,
1252	30.2	+44 32	7.1	7.34	3577,3600	07,*06*						3559,3598	02,*07*
972	30.2	+19 29	7.5	7.17	3213,3218,3236	*10*,00,11	1362	32.3	+42 37	7.4	7.44	3577,3600	04,*05*
879	30.3	+25 53	6.6	*6.32*		*16*, . 15	2298	32.3	−28 46	6.5	*6.20*		. *08*,08
902	30.4	+21 56	7.4	6.74	3570,3589,3922	*09*,*08*,16	485	32.4	+65 38	6.0	5.78	3188,3190,3196,	19,*10*,20,
1183	30.4	− 4 34	7.0	6.68	3957,3966	*01*,00						3196,3211,3216,	*10*,*02*,09,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3221,3223,3231, 3238,3241,3248, 3555,3555,3559, 3592,3598,3600, 3604,3606,3615, 3617,3628,3631, 3920,3925,3937, 3949,3956,3970, 3972,3980,3983, 3984,3988,3995, 4271,4282,4286, 4291,4293,4308, 4325,4331,4333, 4345,4346,4349, 4352	19,19,*01*, 00,00,*10*, 08,*06*,07, *12*,07,*23*, *01*,*05*,*14*, *01*,*25*,08, 18,21,03, 09,08,*21*, *22*,*02*,12, *20*,20,*22*, *16*,01,01, 16,18,*14*, *07*,06,07, *08*,*03*,04, 04
1262	32.5	− 6 0	6.7	5.75	3241,3245,3957	*07*,*17*,24
1238	32.5	−11 50	6.5	6.09	3186,4278	02,*02*
894	32.6	+60 34	7.0	6.98	3559,3615,3983	*12*,05,*07*
953	32.6	+ 7 29	6.1	*5.78*		. . A
983	32.7	+52 30	7.2	7.22	3559,3615	05,*05*
884	32.7	+26 34	6.8	6.47	3570,3589,3922	11,*06*,*04*
1325	32.8	+43 16	7.2	7.14	3577,3600	12,*12*
1275	32.8	+37 56	7.0	6.89	3248,3575,3932	11,*05*,*07*
973	32.8	+ 5 57	7.5	7.53	3182,3217	00,00
1024	32.9	+ 8 26	7.4	7.04	3182,3213	09,*09*
1196	32.9	− 4 52	7.0	6.24	3957,3966	14,*15*
968	33.0	+30 50	7.5	7.52	3932,3937	06,*05*
947	33.0	+29 10	6.2	5.95	3922,4286,4289	*12*,06,07
2350	33.0	−34 47	7.5	7.53	3239,3240,3574	01,*02*,02
2394	33.0	−35 7	7.0	6.94	3195,3223,3574	*16*,31,*16*
1277	33.1	+37 55	7.2	7.33	3248,3575	07,*07*
934	33.2	+53 26	6.3	6.41	3559,3627,4270, 4275,4283	*04*,*05*,*03*, *13*,26
987	33.2	− 1 13	8.1	6.74	4278,4286,4289	*09*,05,03
257	33.3	+74 34	7.2	*7.27*		A . .
1197	33.3	+35 57	7.5	7.74	3248,3575	*04*,05
1198	33.3	− 4 9	7.5	6.76	3241,3245,3957, 3957	*08*,*18*,24, 03
2389	33.4	−27 56	6.4	*6.09*		. *08*,08
902	33.5	+25 50	5.7	*5.07*		. . A
918	33.5	+21 42	7.0	6.32	3570,3589,3924	13,*16*,04
909	33.7	+24 10	7.0	7.04	3570,3922	08,*07*
1326	33.7	− 2 39	4.0	3.69	3247,3957	*07*,07
2343	33.7	−26 47	7.3	7.50	3198,3239	11,*11*
2605	33.7	−31 7	7.6	7.28	3239,3240,3563	04,00,*05*
1327	33.8	− 2 39	7.5	6.50	3241	A
1275	33.8	− 6 38	6.5	5.92	3241,3245,3562, 3592,3627	26,*24*,*15*, *05*,19
2317	33.8	−28 41	6.9	7.18	3198,3239	05,*06*
1002	33.9	+ 4 4	5.0	4.57	3182,4271,4283	*17*,*19*,36
1183	33.9	− 8 31	7.0	6.76	3241,3245,3957	00,*11*,11
2321	33.9	−28 45	5.3	5.42	3198,3239	01,00
2124	33.9	−38 5	7.3	6.96	3223,3239,3574	05,*02*,*04*
542	34.0	+64 41	8.8	8.42	4345,4345,4346, 4346,4352,4352	*06*,*01*,*09*, 14,*10*,10
1142	34.0	− 7 16	5.0	*4.77*		. . A
2383	34.0	−29 0	7.1	7.38	3198,3239	05,*06*
1297	34.1	+48 24	7.0	7.74	3627,3628	*03*,02
1369	34.1	+40 50	7.5	7.68	3575,3932	*01*,02
1048	34.1	+31 18	6.4	5.96	3248,3575,3932, 4286,4289,4291	*26*,*18*,36, 11,15,*20*
915	34.1	+ 9 48	8.4	7.36	3239,3240,4345, 4345,4346,4346, 4352,4352	*01*,00,*21*, *11*,15,08, 12,02
2395	34.1	−27 16	6.8	6.75	3198,3239,3944	24,*19*,*04*
1049	34.2	+31 52	6.6	6.72	3248,3575,3932	*02*,00,01
913	34.2	+24 29	7.2	7.14	3570,3922	12,*11*
1196	34.2	−16 58	7.5	7.45	3230,3245	10,*10*
2358	34.2	−34 45	7.0	6.71	3195,3239,3574	00,03,*04*
846	34.3	+28 56	7.5	7.16	3570,3924	08,*08*
852	34.3	+12 58	7.5	7.22	3182,3213	15,*15*
1064	34.4	+32 51	7.0	6.80	3248,3575,3932	00,19,*18*
1166	34.5	− 3 37	6.5	5.94	3957,4278	*11*,10
1050	34.6	+56 33	6.5	6.23	3211,3983,4270	07,04,*10*
887	34.6	+15 18	7.1	6.62	3980,3988	10,*11*
920	34.7	+ 9 25	9.0	8.57	3238,3239,3240, 4345,4345,4346, 4346,4352,4352	*22*,*32*,*01*, 03,*12*,20, 28,15,00
1197	34.8	− 9 46	6.5	6.35	3957,3966	*03*,03
816	34.9	+61 26	6.5	*6.39*		. A .
1199	34.9	−17 54	6.7	6.22	3230,3241,3948	03,*06*,04
953	35.0	+29 26	7.0	6.29	3570,3932,3937, 4286,4289,4291	*34*,33,21, 04,*12*,*13*
954	35.0	+29 27	7.5	R		. . .
1376	35.1	+43 0	7.5	6.99	3577,3600,3999	03,*23*,19
1110	35.1	−15 55	7.5	7.33	3230,3245	05,*05*
1207	35.2	+35 35	6.8	6.72	3932,3937	*09*,09
1009	35.3	+55 16	7.5	*7.46*		A . .
989	35.4	+52 25	7.0	7.00	3559,3627,3997	*15*,09,07
1147	35.4	−20 30	7.0	6.54	3198,3239,3944	04,*12*,08
841	35.5	+16 29	5.5	*4.84*		. 07,*07*
1999	35.5	−40 46	5.7	5.59	3195,3223,3251, 3592,4286,4291	11,12,*03*, *07*,*12*, R
1218	35.6	+50 39	7.0	7.32	3211,3559	*12*,13
932	35.7	+54 48	7.0	6.76	3997,3999	06,*06*
1270	35.7	+44 48	7.3	*7.67*		A . .
1338	35.7	− 2 0	2	*1.89*		. . A
1337	35.7	− 2 53	7.5	6.07	3245,3258,3957	*17*,21,*03*
1148	35.7	− 7 43	7.0	7.56	3241,3245	*10*,09
1007	35.8	+23 16	6.8	6.49	3570,3922,3924	06,01,*06*

5^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1004	35.8	− 1 11	6.2	*4.92*		. *02*,02
1261	35.9	+38 9	7.4	7.20	3248,3575	00,01
1170	35.9	− 3 54	8.0	7.50	3241,3245	20,*20*
2969	35.9	−23 46	7.3	7.28	3198,3239	02,*02*
996	36.0	+22 37	6.8	6.47	3570,3922,3924	03,*11*,08
925	36.0	+ 9 9	7.5	7.38	3182,3213,3236	05,*03*,*02*
1152	36.0	+ 0 17	7.3	5.97	3217,4271,4283	*18*,07,10
2375	36.0	−34 8	2.5	2.69	3216,3223,3251,	10,*06*,*13*,
					3574,3925,3944,	*06*,*11*,17,
					4275,4286,4293	R,16,*04*
1256	36.1	+41 40	7.0	6.74	3577,3600,3997	23,*18*,*06*
1258	36.1	−10 28	7.0	6.35	3948,3957	09,*09*
2479	36.1	−32 41	5.9	5.65	3251,3925,3944,	00,01,*15*,
					4275,4277,4293	R,17,*02*
1007	36.2	+ 3 44	7.3	7.20	3182,3217	20,*21*
1258	36.2	−11 15	7.0	7.07	3230,3245	15,*15*
1189	36.3	+47 40	7.1	7.38	3559,3627	05,*06*
1257	36.3	+41 5	7.3	7.16	3577,3600	04,*03*
1126	36.3	+33 20	8.8	8.55	3251,3256,4346,	*15*,*05*,*02*,
					4346,4355,4355,	03,01,11,
					4357,4357	T,10
1197	36.3	− 8 5	7.5	7.60	3241,3245	*14*,15
2641	36.3	−31 18	7.5	7.51	3239,3240,3563	*09*,*03*,11
544	36.4	+64 43	7.3	6.86	3988,3995	10,*10*
602	36.4	+63 15	7.3	7.57	3196,3211	*09*,09
1127	36.4	+33 16	7.1	6.84	3248,3575,3932	06,*15*,10
1149	36.4	−20 21	7.7	*7.02*		A . .
236	36.6	+75 42	7.5	*7.82*		A . .
920	36.6	+18 57	7.5	7.47	3182,3213	00,00
1346	36.7	− 2 57	7.5	6.33	3241,3245,3957	*03*,*03*,07
1338	37.0	+43 31	7.5	7.70	3577,3600	14,*13*
923	37.0	+18 57	7.1	*6.68*		. A .
855	37.0	+10 30	7.2	*7.08*		A . .
1125	37.0	−15 23	7.1	*7.25*		A . .
970	37.1	+29 10	7.0	6.74	3570,3924,3932	*13*,15,*03*
1040	37.1	+ 2 19	7.8	6.61	3182,3217,3988	19,*12*,*06*
2413	37.1	−29 46	7.5	7.05	3198,3239	*04*,04
1015	37.2	+23 10	6.3	6.05	3924,4286,4289	21,*14*,*08*
1240	37.2	−12 21	7.2	7.22	3230,3245	10,*10*
1208	37.2	−16 46	6.5	6.10	3230,3245,3948	*05*,*05*,09
991	37.3	+14 8	7.2	6.94	3182,3236,3980	13,*06*,*08*
1105	37.3	+ 1 26	5.7	*5.22*		. . A
941	37.5	+25 24	6.8	6.80	3924,3932	11,*11*
1219	37.6	−13 2	7.5	7.44	3230,3247,3948	*14*,20,*06*
859	37.8	+10 28	8.2	7.83	3182,3980	20,*20*
1265	37.8	−10 40	7.3	7.09	3230,3247	03,*03*
1214	37.8	−17 34	6.0	6.28	3245,3948	*03*,02
2483	37.8	−33 27	6.6	6.29	2891,3223,3563	01,00,*01*
604	37.9	+63 34	7.4	6.62	3196,3211,3988	06,04,*11*
1267	37.9	−11 40	7.5	7.19	3230,3247	*07*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1293	38.0	− 6 51	6.5	6.01	3241,3245,3245,	*23*,07,*03*,
					3247,3957	09,11
1194	38.0	−22 25	6.5	*5.93*		. 00,00
1058	38.1	+56 5	6.1	*6.10*		. . A
1277	38.1	+38 27	7.5	7.52	3575,3932	*13*,14
993	38.1	+30 27	7.5	*7.51*		A . .
1012	38.1	− 1 39	7.8	6.49	3241,3245,3957	*19*,01,18
1398	38.2	+49 47	5.7	*5.60*		. . A
1005	38.2	+ 6 51	7.4	7.18	3182,3217	*05*,05
1155	38.2	− 7 31	7.5	8.07	3241,3247	*11*,11
1137	38.3	+33 41	7.5	7.36	3575,3932	05,*05*
856	38.4	+58 46	7.3	6.60	3211,3559,3997	00,*04*,04
1059	38.4	+56 53	6.6	*6.79*		. A .
2446	38.4	−27 45	7.8	7.88	3198,3239	21,*22*
2571	38.4	−30 35	6.4	6.10	3944	A
1139	38.5	+33 35	7.0	6.79	3575,3932,3937	09,*06*,*04*
937	38.7	+26 18	7.4	7.22	3570,3924	*15*,16
2401	38.7	−34 43	5.7	5.29	3216,3240,3925,	18,*06*,10,
					3944,4275,4293	*25*, R,03
1193	38.8	+47 53	7.5	6.74	3627,3628,3997	*10*,13,*03*
1213	38.8	− 8 58	7.3	7.37	3241,3247	*21*,21
1278	38.9	+44 45	7.3	*7.82*		A . .
1403	38.9	+40 28	6.6	6.49	3932,4286,4289,	06,*01*,11,
					4291	*15*
1308	39.0	+37 38	7.1	7.72	3575,3932	08,*08*
1080	39.0	+31 17	6.7	6.73	3575,3932	*10*,10
1172	39.0	−18 36	6.0	5.62	3230,3245	00,00
2356	39.0	−37 30	7.7	7.82	2891,3195,3574	*05*,23,*17*
1303	39.1	+48 38	7.5	7.72	3627,3628	05,*04*
855	39.1	+16 3	6.9	*6.81*		. A .
1111	39.2	+51 28	6.4	6.52	3211,3559,3997	*02*,05,*03*
1312	39.2	+37 16	7.1	7.33	3575,3932	*05*,05
983	39.2	+29 16	7.5	7.40	3570,3924	00,01
950	39.3	+18 40	7.5	6.90	3182,3213,3988	07,*13*,07
2412	39.3	−34 0	7.5	7.26	2891,3223,3563	20,*13*,*08*
942	39.4	+54 26	6.5	6.66	3997,3999	*08*,09
1194	39.4	+47 26	7.5	7.38	3627,3628	*04*,05
884	39.4	+12 51	7.0	6.60	3182,3236,3988	17,*12*,*06*
1271	39.5	−10 4	7.0	*7.16*		A . .
1248	39.5	−19 42	7.5	*7.44*		A . .
784	39.6	+62 46	6.5	6.13	3196,3211,3988	06,13,*18*
1225	39.6	+50 4	7.1	*7.87*		A . .
1012	39.6	+ 6 19	7.3	7.23	3182,3217	20,*20*
1231	39.6	− 4 45	7.5	*7.20*		A . .
1245	39.6	−21 20	7.2	7.22	3198,3239	*07*,08
1244	39.6	−21 28	6.7	7.02	3198,3239	13,*12*
2504	39.6	−33 28	7.5	7.15	2891,3223,3563	*15*,14,01
889	39.7	+12 44	8.0	7.54	3182,4271	09,*08*
1025	39.7	+ 3 58	7.0	*6.11*		. . A
1302	39.7	− 6 54	7.3	6.67	3241,3247,3957	*09*,*07*,16

5^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1174	39.7	−18 20	7.2	7.32	3230,3247	*17*,18
1014	40.0	+ 6 14	7.4	7.38	3182,3217	*05*,05
1396	40.1	+42 30	6.8	6.41	3577,3600,3997	11,02,*12*
1250	40.1	−12 49	7.5	7.77	3230,3247,3562, 3592,3602	*27*,27,*07*, 13,*04*
1171	40.2	−20 10	6.5	6.40	3944,4277	04,*05*
2140	40.2	−39 27	6.6	6.28	2891,3223,3574	02,*09*,08
1210	40.3	−22 27	6.9	6.41	3198,3239,3944	31,*13*,*18*
1211	40.3	−22 29	4.0	3.92	3198,4277	00,00
1252	40.6	−21 42	7.2	6.68	3198,3239,3944	17,*18*,00
324	40.7	+71 17	6.7	7.17	3196,3211	21,*21*
1091	40.7	+31 37	7.5	7.37	3575,3932	15,*15*
1052	40.8	+46 40	6.5	7.10	3627,3628	08,*08*
1093	40.9	+20 8	7.3	*7.90*		A . .
497	41.0	+65 44	7.0	6.65	3196,3211,3988	23,01,*25*
1095	41.0	+20 14	7.4	*7.20*		A . .
926	41.0	+15 47	6.2	*5.91*		*04*, . 04
997	41.1	+29 37	7.0	*7.21*		A . .
885	41.1	+10 53	7.5	7.64	3182,3236	19,*18*
1235	41.1	− 4 18	6.5	6.44	3957,3966	*05*,06
1239	41.2	+35 7	6.5	6.59	3937,3943,3944	*07*,02,06
886	41.2	+11 0	7.7	7.81	3182,3988	22,*22*
978	41.4	+25 31	6.6	6.54	3924,3932	08,*07*
954	41.4	+ 9 29	6.0	*5.93*		. *01*,01
1126	41.4	+ 1 9	6.5	*6.04*		03, . *02*
2704	41.4	−31 42	6.8	6.72	3223,3239,3563	*15*,18,*03*
1025	41.5	+14 28	6.0	*5.66*		13, . *12*
1004	41.6	+17 42	6.1	5.58	3997,4271	*08*,09
896	41.6	+12 18	7.5	7.19	3182,3236,3562, 3592,3602,3988, 3995,4271,4283, 4286	54,*03*,*08*, *25*,*05*,*25*, *13*,05,09, 10
3068	41.7	−23 10	7.5	7.30	3198,3239	02,*02*
1015	41.8	+30 29	7.3	*7.16*		A . .
963	41.8	+24 39	7.0	*7.16*		A . .
1416	41.9	+39 30	6.5	*6.90*		A . .
1065	42.0	+56 53	6.6	*6.38*		. A .
979	42.0	+13 52	5.3	*5.16*		. . A
3073	42.0	−23 41	7.3	7.03	3198,3239	07,*07*
2165	42.1	−39 21	7.5	7.00	2891,3223,3574	03,12,*15*
412	42.2	+68 26	6.2	6.41	3196,3211,4270	07,05,*11*
1038	42.2	+ 4 3	7.5	7.54	3182,3217	06,*05*
1418	42.3	+39 9	4.7	4.53	3248,3575,4286	07,*01*,*05*
2538	42.3	−32 20	5.4	5.06	3216,3248,3925, 4293	*06*,*07*,06, 08
1105	42.4	+20 50	7.3	5.94	3922,3924,4286	*11*,13,*01*
902	42.4	+12 23	7.5	6.57	3182,3236,3988, 3995,3997	16,*21*,*22*, 13,15
1232	42.4	−14 52	4.0	3.70	3246,4278	03,*02*
1303	42.5	+38 42	7.0	7.36	3575,3937	08,*09*
1027	42.6	+ 6 25	5.7	5.35	3217,4271,4283	*02*,*03*,05
1269	42.6	−12 51	7.5	7.72	3230,3246	08,*09*
1244	42.6	−16 16	6.4	6.31	3230,3246,3948	*13*,18,*04*
1281	42.8	−10 34	6.5	*6.00*		15, . *16*
970	42.9	+24 32	5.3	5.04	3922,3932,4286	*15*,*04*,19
970	42.9	+18 12	7.3	7.22	3182,3213	15,*15*
1168	42.9	−15 17	7.8	7.14	3948,3957	03,*03*
1117	43.0	+51 29	6.3	6.40	3211,3559,3997	*10*,21,*10*
1041	43.0	+ 3 52	7.5	7.70	3182,3217	10,*11*
1234	43.0	− 9 33	7.8	7.83	4349,4349,4352, 4352,4355,4355, 4358,4358	32,15,00, 07,*30*,21, *20*,*24*
1235	43.0	− 9 42	2.5	2.05	4349,4349,4352, 4352,4355,4355, 4358,4358	21,55,*29*, *07*,*46*,*05*, 25,*15*
2447	43.0	−28 55	7.4	7.52	3198,3239	11,*10*
1016	43.1	+ 7 31	7.5	7.13	3182,3217	10,*10*
1424	43.2	+40 4	7.4	*8.12*		A . .
945	43.2	+11 57	7.5	6.90	3182,3236,3988	23,*14*,*09*
1218	43.2	− 8 21	8.5	8.07	3241,3247	*11*,11
2449	43.2	−28 40	6.2	6.06	3198,4277	*03*,02
2445	43.2	−36 16	7.0	6.72	2891,3223,3574	07,*08*,02
880	43.3	+27 31	7.0	7.29	3570,3924	04,*04*
1362	43.4	+43 59	7.3	7.45	3577,3600	13,*13*
1111	43.4	+31 45	7.0	6.72	3575,3937,3943	*03*,18,*16*
1219	43.4	− 8 25	7.5	7.12	3241,3247	*06*,06
2504	43.4	−27 10	7.3	7.22	3198,3239	07,*06*
863	43.5	+58 55	6.5	*6.06*		. *03*,02
1184	43.6	+ 0 42	7.5	7.20	3182,3217	10,*11*
1244	43.6	− 4 7	6.5	5.96	3247,4278	04,*04*
2509	43.8	−35 42	6.7	6.51	2891,3192,3574	*07*,09,*01*
912	43.9	+12 37	5.1	4.91	3602,4271,4283	*24*,09,14
1253	43.9	−13 24	7.0	7.42	3230,3246	*12*,11
2456	44.0	−36 31	7.1	7.09	2891,3223,3574	*13*,02,10
1243	44.1	−14 20	7.0	6.88	3230,3246,3948	*18*,25,*07*
1336	44.2	+37 16	5.0	4.94	3248,4286,4289	*14*,08,05
886	44.4	+27 28	7.2	7.14	3570,3924	02,*02*
2518	44.5	−35 21	8.3	8.29	2891,3223,3574	*11*,06,06
1429	44.6	+39 7	4.0	*4.18*		. . A
888	44.6	+27 56	6.5	5.65	3570,3924,3932	03,*03*,01
978	44.6	+ 9 51	6.0	*5.97*		. 08,*08*
1041	44.7	+14 16	5.7	5.63	3241,3602,4271	*05*,*14*,18
2547	44.7	−33 27	7.2	6.92	3239,3240,3574	*19*,07,13
918	44.8	+57 56	7.3	7.18	3211,3559	02,*03*
2459	44.8	−34 58	7.3	7.34	2891,3239,3574	*03*,*10*,12
1060	44.9	+46 46	7.5	7.68	3559,3627	13,*14*
1109	44.9	+32 6	6.6	6.41	3575,3937,3943, 3944	04, R ,*12*, 08
1052	44.9	+ 4 24	6.0	*6.22*		. . A
1278	44.9	−19 26	7.1	7.26	3246,3247	*03*,02

5h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1251	45.0	−14 30	5.5	5.62	3230,3246,3948	08,*09*,01
2569	45.1	−32 27	7.5	7.47	3239,3240,3563	01,06,*07*
987	45.2	+18 32	7.0	6.95	3213,3236,3997	12,*07*,*06*
1047	45.2	+14 25	7.5	6.61	3236,3246,3562, 3602	*03*,16,*16*, 03
1048	45.2	+14 1	6.8	6.79	3988,3995	*01*,01
1318	45.3	+38 32	7.2	6.82	3937,3943,3944, 4286	R,00,16, *15*
1033	45.3	+30 56	7.4	7.36	3575,3937,3937	04,05,*08*
1148	45.3	+ 2 0	7.7	6.25	3182,3217,3995	15,04,*20*
2757	45.3	−31 43	7.3	7.65	3239,3240,3563	*15*,20,*05*
2573	45.4	−32 32	6.9	7.05	3239,3240,3563	03,08,*10*
953	45.5	+11 28	7.0	6.91	3236,3241,3246	*05*,*16*,22
990	45.6	+18 23	7.5	7.08	3213,3236	09,*10*
1435	45.7	+39 33	7.3	6.34	3937,3943	05,*05*
1087	45.7	+23 21	7.3	7.05	3570,3922	*02*,02
3135	45.7	−23 0	6.2	*5.83*		. 02,*02*
920	46.0	+59 52	5.7	5.14	3598,4270,4275	04,*01*,*03*
1106	46.0	+19 30	6.8	*7.12*		03, . *04*
1179	46.1	+33 53	6.5	6.38	3937,3943,3944	*05*,*03*,07
2647	46.1	−30 40	6.8	6.75	3239,3240,3563	*10*,15,*06*
1027	46.5	+55 41	5.0	*4.80*		. . A
1110	46.5	+19 50	6.0	*5.96*		. 13,*12*
1187	46.5	− 7 33	6.0	5.28	3957,4278	03,*02*
2587	46.5	−32 51	6.9	6.63	3239,3240,3563	03,*12*,08
2479	46.5	−34 35	7.5	7.50	2891,3195,3563, 3921,3921,4338, 4338,4355,4355, 4357,4357	*17*, R ,*14*, *19*,*14*,11, *17*,31,*01*, 26,09
1113	46.6	+19 43	7.5	*7.64*		06, . *06*
1347	46.7	+37 19	6.8	6.66	3192,3937,3943	14,*05*,*10*
1060	46.7	+14 9	6.0	*5.54*		. *07*,06
1304	46.7	−11 40	7.0	7.07	3246,3247,3562, 3592,3602,3948, 3957,3966	39,*11*,*31*, *05*,*16*,10, *01*,18
1282	46.8	+36 6	6.9	7.35	3937,3943,3944	13,*11*,*03*
350	47.0	+69 35	7.3	*7.04*		A . .
899	47.0	+27 35	5.5	4.65	3924,3937,4289	*07*,*02*,10
1211	47.0	−20 53	4.8	*3.92*		*02*,02, .
2431	47.0	−37 39	7.5	7.10	2891,3192,3195, 3574	*06*,*10*,02, 16
1051	47.1	+ 6 11	7.5	7.00	3182,3217,3921, 3921,3995,3997, 3999,4297,4297, 4345,4345,4352, 4352	R,03,06, *01*,*10*,*10*, *12*,15,11, *06*,*09*,10, 03
1246	47.2	−22 58	6.9	*6.18*		. *09*,08
1151	47.3	+ 1 50	5.8	*5.05*		. . A
1254	47.3	− 9 50	7.5	*7.36*		A . .
1020	47.4	+25 3	7.3	*7.66*		A . .
1156	47.4	+20 17	7.2	6.60	3922,3924	*07*,08
1255	47.4	− 9 5	6.0	*5.96*		09, . *08*
2546	47.4	−35 48	2.9	3.34	3216,3230,3235, 3238,3563,3575, 3925,4293	02,16,*10*, *10*,03,*03*, 05,*05*
413	47.5	+66 5	6.7	6.59	3196,3211,3995	29,*13*,*15*
1198	47.5	−15 32	7.3	7.16	3246,3247	03,*04*
960	47.6	+11 48	7.5	7.20	3182,3236	13,*14*
2731	47.8	−25 15	7.1	6.92	3198,3239,3944	15,01,*16*
2785	47.8	−31 48	7.5	8.29	3216,3239,3563, 4338,4338,4355, 4355,4357,4357	43,*29*,*22*, *07*,*07*,16, 11,*11*,06
1289	47.9	−19 4	7.2	7.20	3246,3247	03,*02*
1296	48.0	−12 47	7.0	8.24	3246,3247	*11*,10
1292	48.1	+36 14	7.3	7.38	3937,3943	03,*04*
1056	48.1	+ 6 14	8.0	7.28	3921,3921,4345, 4345,4352,4352	05,10,*05*, *20*,13,*01*
2734	48.1	−25 59	7.2	6.87	3198,3239,3944	07,*06*,00
2556	48.2	−29 29	6.7	6.49	3198,3239,3944	*18*,00,19
1128	48.3	+51 46	7.0	6.48	3211,3559,3997	*08*,05,08
937	48.4	+12 25	7.5	7.56	3236,3241	10,*11*
1139	48.5	+31 41	6.2	5.89	3937,3943,4289	04,*16*,13
1162	48.5	+20 16	5.0	4.55	3932,4289,4291	*04*,10,*06*
926	48.6	+10 18	7.6	6.98	3995,3997	*08*,08
1028	48.7	+55 57	7.0	6.97	3211,3559,3997	03,04,*06*
927	48.7	+10 34	6.5	*6.50*		A . .
1214	48.8	+47 42	7.3	7.59	3559,3598	02,*02*
1434	48.8	− 5 43	7.0	6.80	3241,3247,3957	*12*,00,13
1304	48.9	+41 19	7.0	6.54	3577,3598,3997	07,11,*17*
964	48.9	+11 45	7.2	6.46	3182,3236,3995	27,*20*,*06*
1037	49.0	+29 57	7.2	*7.16*		A . .
1071	49.0	+ 3 13	6.3	6.55	3182,3217,3995	15,*06*,*10*
1297	49.1	+36 55	7.3	7.16	3937,3943	09,*08*
1126	49.1	+19 44	6.3	5.83	3213,4271,4283	*06*,*12*,19
1039	49.2	+29 9	7.5	7.85	3570,3924	*12*,12
2503	49.2	−34 35	7.0	6.66	2891,2892,3563	07,*02*,*04*
2457	49.2	−37 40	6.7	5.75	3192,3230,3235, 3238,3239,3574, 3575,3592,3925, 4293	05,05,*01*, 09,04,04, 07,*16*,03, *19*
1032	49.3	+55 39	7.1	*7.09*		. A .
1074	49.3	+14 12	7.3	6.84	3236,3246,3995	*16*,*23*,*08*
1304	49.3	−12 25	7.3	8.01	3246,3247	*15*,15
2685	49.3	−30 36	7.9	7.94	2892,3216,3563, 3574	04,*06*,*05*, 05
1423	49.4	+49 1	6.5	6.32	3997,4000,4001, 4001,4005,4005, 4270	14,*11*,*13*, *17*,*24*,*03*, 53
2270	49.4	−38 38	7.0	6.85	2891,2892,3574	10,01,*11*
1272	49.5	−14 8	7.5	7.44	3246,3247	*11*,10

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2599	49.5	−33 50	5.2	4.72	3230,3235,3238, 3575,4293	*07*,*04*,*04*, *05*,18
1044	49.6	+ 5 51	7.1	6.73	3182,3217,3995	30,*10*,*19*
1208	49.6	+ 0 57	7.0	6.21	3182,3995,3997	19,08,*28*
1281	49.6	− 4 5	7.0	6.35	3241,3247,3957	*07*,*05*,11
1301	49.7	+36 52	7.5	7.84	3937,3943	07,*07*
1250	49.7	− 8 26	7.0	6.71	3241,3247,3957	*06*,*03*,08
1293	49.7	−19 40	6.3	6.59	3948,3957	05,*05*
915	49.8	+60 22	7.1	*7.01*		A . .
1055	49.8	+ 7 23	var.	*0.94*		. . A
1172	50.0	+20 6	9.2	8.93	4308,4308	02,*02*
1335	50.1	+38 16	7.3	7.24	3937,3943	05,*04*
1321	50.1	−11 48	6.0	5.84	3247,3948	*08*,07
1205	50.2	+45 53	7.1	6.56	3598,3600,3627	*03*,*08*,11
1288	50.2	+35 34	7.3	7.50	3937,3943	14,*15*
952	50.2	+28 56	6.5	6.42	3570,3924,3932	08,*11*,02
1297	50.2	−19 43	7.5	*7.34*		A . .
1036	50.3	+13 56	7.0	6.48	3236,3562,3592, 3602,3995,3997, 3999	*10*,*02*,05, *02*,*12*,07, 11
1264	50.3	− 9 49	7.2	*7.46*		A . .
2595	50.3	−29 10	6.4	*6.20*		. 03,*02*
419	50.4	+67 0	7.0	6.87	3196,3211,3559, 3598,3627,3995, 3997,3999	61,*01*,*03*, *13*,*05*,*06*, *19*,*15*
1310	50.4	−12 57	7.5	7.78	3246,3247	*15*,16
1289	50.5	− 4 38	6.0	6.00	3957,4278	*02*,02
1288	50.5	− 4 51	7.8	*7.10*		A . .
2470	50.5	−37 33	8.0	7.32	2891,2892,3592	05,*01*,*03*
1337	50.6	+38 37	7.3	7.83	3937	A
1291	50.6	− 4 49	7.0	*6.22*		*12*, . 11
2580	50.6	−35 56	7.5	6.78	2891,2892,3592	16,*06*,*09*
2558	50.7	−26 41	7.0	6.81	3198,3239,3925	10,*22*,13
1033	50.9	+24 14	6.0	5.84	3251,4289,4291	*06*,16,*09*
1365	51.0	+37 31	7.2	7.56	3937,3943	*01*,01
1016	51.0	+ 9 29	6.5	*5.97*		15,*12*,*02*
1199	51.1	+33 15	7.2	7.43	3937,3943	11,*11*
926	51.1	+16 21	7.5	6.91	3213,3236,3995	16,*03*,*14*
975	51.2	+11 30	6.5	*6.06*		. 00,01
507	51.3	+65 31	7.0	6.74	3196,3211,3995	24,*08*,*15*
970	51.3	+54 17	4.0	*3.98*		. . A
1469	51.3	+40 47	7.5	7.62	3937,3943	04,*03*
247	51.4	+75 35	6.2	6.66	3196,4270,4275	10,*07*,*02*
1036	51.5	+55 19	6.5	6.42	3997,3999	03,*03*
1039	51.5	+24 36	7.5	*7.31*		A . .
1305	51.5	−13 8	7.5	7.84	3246,3247	*01*,00
971	51.6	+54 33	7.0	6.16	3997,3999	*05*,04
1428	51.6	+49 55	6.0	*6.11*		11, . *11*
1341	51.6	+38 53	7.0	7.27	3937,3943	*07*,07
2260	51.6	−39 59	5.8	5.66	3230,3235,3239, 3575,3956,4293	02,17,03, *04*,04,*20*
1304	51.7	−21 42	7.0	6.80	3198,3239,3925	05,00,*05*
2562	51.7	−28 58	7.5	7.84	3198,3240	*11*,12
1052	51.8	+25 57	5.2	4.67	3251,3562,4289	*07*,*04*,10
1088	51.8	+14 3	7.5	7.03	3236,3241	05,*05*
2613	51.8	−29 9	7.5	7.80	3198,3240	03,*04*
2614	51.8	−29 56	7.3	7.90	3198,3240	*02*,02
1286	51.9	−14 11	4.0	*3.71*		*04*, . 04
1307	51.9	−21 9	7.0	6.96	3198,3240,3925	12,*21*,08
1083	52.0	+56 54	7.5	7.57	3211,3628,3997	*07*,*04*,10
1216	52.0	+45 37	7.2	6.60	3598,3627	*17*,18
1269	52.0	−22 52	6.7	6.00	3245,4277	*05*,04
1075	52.1	+46 31	7.0	7.24	3598,3627	*03*,04
1265	52.1	− 8 24	7.3	6.87	3241,3247,3957	*01*,01,01
3557	52.1	−24 6	7.7	7.65	3240,3245	13,*13*
2487	52.1	−37 8	5.4	5.08	3235,3245,3575, 3956,4293	*06*,00,*06*, 06,07
509	52.2	+65 3	7.3	*7.45*		A . .
1328	52.2	+44 56	2.0	*2.08*		09, . *10*
2844	52.2	−31 38	6.8	6.58	2892,2895,3563	27,*10*,*17*
1139	52.3	+51 4	6.7	6.63	3211,3598,3997	*03*,*03*,07
1322	52.3	+41 55	7.5	7.82	3577,3598	*01*,02
1130	52.3	+23 9	7.5	7.53	3251,3562,3922	05,03,*07*
1227	52.3	+ 0 1	8.1	6.87	3995,3997,3999, 4000,4000	*01*,*12*,19, *15*,08
2296	52.3	−38 7	7.7	7.41	2891,2892,3574	*11*,01,10
311	52.4	+74 1	7.3	7.34	3196,3211	*08*,09
3263	52.4	−23 14	6.7	*6.46*		. *02*,02
1217	52.5	+45 56	4.8	4.72	3598,3627,4270	*09*,*09*,17
1045	52.5	+24 48	7.5	*7.61*		A . .
2848	52.5	−31 24	5.6	5.58	3563,3956,4293	*09*,*02*,11
1062	52.6	+29 59	6.8	*7.06*		A . .
1058	52.7	+25 46	7.3	6.61	3251,3562,3924	09,*12*,04
1168	52.7	+ 1 13	7.2	*6.49*		. A .
1359	52.8	− 6 5	6.5	7.57	3241,3957,4345, 4345,4346,4346, 4349,4349,4352, 4352	*39*,09,*14*, *15*,*12*,*13*, 41,26,*03*, 24
1380	52.9	+37 12	3.0	2.77	3937,4289,4291	30,*14*,*15*
940	52.9	+16 36	7.3	7.18	3213,3236	09,*10*
2637	52.9	−33 27	7.7	7.14	2892,2895,3563	19,*06*,*13*
1332	53.0	+44 36	7.0	6.40	3997,3999	*02*,01
1040	53.0	+18 50	7.5	7.12	3213,3236	15,*14*
1170	53.0	+ 1 52	8.2	7.20	3182,3217	10,*11*
2275	53.0	−39 10	7.5	7.21	3195,3223,3574, 4346,4346	02,13,22, *22*,*17*
1078	53.1	− 1 1	6.9	6.33	3182,3241,3957	24,*23*,*01*
1226	53.1	−15 25	7.2	6.98	3948,3957,3966	13,*17*,08
2854	53.1	−32 0	6.7	6.56	2895,3195,3563	09,10,*20*
968	53.2	+12 48	6.5	*5.83*		. 00,00

5^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1171	53.2	+ 1 49	6.5	*6.06*		. 00,*01*
1247	53.2	−18 4	7.0	6.92	3182,3246,3948	05,*06*,00
1480	53.3	+39 53	7.3	*7.62*		A . .
1227	53.4	+47 54	6.0	5.80	3577,4270,4275	*10*,16,*05*
1310	53.4	− 4 39	7.0	6.95	3241,3957,3966	*17*,16,01
1130	53.6	+22 28	7.5	7.36	3251,3562	12,*11*
1046	53.6	+18 52	8.0	7.47	3213,3995	10,*10*
1209	53.7	+33 8	6.9	6.80	3937,3943,3944	03,*10*,07
966	53.7	+28 8	6.9	7.04	3251,3570,3924	*24*,05,18
1072	53.7	+21 36	7.2	6.68	3251,3562,3922	00,03,*02*
1239	53.7	+ 0 32	5.7	*5.25*		. . A
1304	53.8	+35 19	7.3	*7.82*		A . .
1231	53.8	+34 30	6.7	6.86	3937,3943	01,*02*
1158	53.8	+31 57	6.8	7.24	3570,3937	03,*03*
943	53.8	+27 17	7.0	6.83	3251,3570,3924	*13*,11,02
1333	54.0	+48 58	6.5	6.21	3999,4270,4275	*20*,29,*08*
1133	54.0	+ 8 25	8.0	*6.89*		. A .
2612	54.0	−35 18	4.5	4.38	3223,3956,4277, 4345	17,*07*, R, *11*
2871	54.2	−31 56	7.1	7.56	2895,3195,3563	09,00,*08*
969	54.3	+29 1	7.4	7.32	3251,3570	*12*,12
1284	54.3	− 9 24	7.0	6.28	4354,4354	02,*01*
1285	54.3	− 9 34	5.5	5.06	3966,4278,4354, 4354,4358	*17*,*13*,22, 06,00
2560	54.3	−34 29	7.3	7.51	2895,3195,3574	*11*,*06*,16
1135	54.4	+22 54	7.0	*6.92*		. A .
2646	54.4	−29 7	7.5	7.80	3198,3240	*17*,16
1086	54.6	+57 1	6.5	6.58	3211,3598,3997	*08*,*07*,16
957	54.6	+16 17	7.0	6.75	3213,3236,3995	02,*07*,06
980	54.6	+12 38	7.5	6.53	3236,3241,3995	13,*18*,04
1083	54.6	− 1 27	7.4	6.38	3241,4278	02,*03*
1164	54.7	+31 2	6.5	6.08	3575,3943,4289	*08*,08,01
945	54.7	+27 35	6.8	6.08	3251,3570,3924	*18*,14,05
1158	54.8	+32 38	7.2	7.34	3570,3575	*09*,10
1332	54.8	−12 51	8.4	7.34	3182,3246,3247, 3248,4352,4352, 4354,4354,4355, 4355	00,*21*,*20*, *09*,20,*02*, 11,25,*14*, 06
1333	54.8	−12 43	9.1	8.09	3247,3248,4346, 4346,4352,4352, 4354,4354,4355, 4355	*13*,18,*22*, *02*,04,24, *04*,09,*17*, 07
1441	55.0	+49 55	6.0	*5.97*		*05*, . 05
1372	55.0	− 6 36	7.0	7.49	3241,3247	*11*,11
981	55.1	+53 32	7.0	6.85	3211,3598,3997	25,*06*,*18*
1236	55.1	+47 49	6.7	6.51	3598,3628,3997	*22*,14,08
1256	55.1	− 3 5	5.7	4.76	3247,4278	*04*,03
1357	55.2	+38 44	7.3	7.22	3937,3943	*02*,01
1278	55.2	− 8 7	7.0	6.95	3241,3247,3957	*09*,03,05
1237	55.5	+47 59	7.5	7.30	3598,3628	13,*14*
2696	55.5	−32 13	7.3	7.34	3195,3216,3563, 3574,3592	29,*24*,*08*, 05,*04*
2660	55.5	−33 50	8.0	7.83	2895,3195,3574	02,*21*,19
1421	55.6	+43 22	7.3	6.52	3577,3598,3997, 3999,3999,4000, 4000	15, R,*08*, 06,*12*,*01*, *02*
1140	55.6	+22 24	6.7	6.27	3251,3924,4289	*19*,*01*,19
1246	55.6	− 7 36	7.5	8.13	3182,3241	*03*,03
1248	55.7	− 7 29	7.0	7.30	3241,3592,3602	*04*,18,*15*
1337	55.7	−12 54	6.0	6.48	3182,3246	16,*15*
1165	56.0	+32 35	7.1	7.86	3570,3575	12,*12*
1473	56.1	+42 56	6.4	*6.07*		. . A
2631	56.1	−35 22	7.3	7.01	3223,3574,3925	*06*,04,03
R	56.1	−42 49	. .	4.00	3221,3223,3230, 3248,3562,3592, 3602,3956	*30*,*19*,*02*, 21,08,46, *12*,*16*
937	56.3	+59 24	6.7	*7.07*		A . .
1166	56.3	+32 38	6.5	6.23	3570,3575,3937	17,*04*,*13*
2312	56.5	−39 15	8.0	8.33	2895,3574,4286	27,10,*38*
1146	56.6	+51 35	6.3	*6.30*		. A .
2902	56.6	−31 3	7.5	7.85	3216,3223,3563	13,*02*,*12*
1175	56.9	+31 23	7.4	7.12	3570,3575	09,*08*
1064	56.9	+ 9 39	5.0	*4.14*		. 01,00
1191	56.9	+ 1 45	8.7	7.83	3182,3995	07,*07*
1193	57.0	+ 1 43	9.2	8.56	3182,3995	*16*,15
511	57.1	+65 24	7.5	*7.60*		A . .
630	57.1	+63 27	6.5	6.49	3196,3211,3995	*01*,17,*16*
1235	57.1	+45 34	7.0	7.18	3598,3628	04,*05*
1195	57.1	+ 1 42	7.4	*6.46*		. A .
1349	57.1	−10 36	5.6	*4.99*		07,15,*21*
1249	57.1	−15 35	7.2	6.80	3246,3247,3948	09,02,*11*
1333	57.1	−16 24	7.2	7.10	3246,3247	*11*,12
2865	57.1	−25 25	6.3	*5.90*		. *01*,02
1091	57.2	+46 33	7.0	6.98	3598,3628,4000	*16*,06,10
1353	57.2	+44 16	7.4	6.71	3577,3598,3997	05,01,*07*
1478	57.2	− 5 8	6.5	6.82	3957,3966	*01*,00
2670	57.2	−27 34	8.5	8.98	3221,3223,3240, 3240,3563,3574, 3604,4357,4357, 4358,4358,4360, 4360	31,09,*08*, *08*,*17*,08, *25*,31,*05*, 07,*12*,*15*, 07
1046	57.3	+26 32	7.2	6.97	3251,3570,3924	*27*,23,04
1257	57.3	− 7 18	7.0	6.90	3182,3247,3602	24,*20*,*04*
1186	57.6	+19 41	5.6	5.15	3241,4000,4000, 4001,4001,4005, 4005,4271,4271, 4283,4283,4286, 4349,4349,4354, 4354	R,15,25, *18*,09,*17*, 25,*24*,*14*, *08*,07,11, R, R,06, *14*
2681	57.6	−33 55	5.9	5.83	3213,3217,3221,	06,*04*,06,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3246,3949,3956	15,*01*,*23*
1103	57.7	+ 7 37	7.7	*6.95*		. A .
2644	57.7	−35 20	9.2	8.54	3216,4358,4358,	*52*,*04*,09,
					4359,4360,4360	17,30,02
2591	57.7	−36 28	7.5	7.57	3223,3239,3574	07,06,*14*
2546	57.7	−37 5	7.5	7.22	2892,3574,3925	15,*13*,*03*
1477	57.8	+42 59	6.8	5.79	3604,4270,4275	*12*,22,*09*
1366	57.8	+38 35	7.0	6.81	3570,3937,3943	13,06,*20*
1009	57.8	+11 41	6.5	*6.01*		. *01*,01
229	57.9	+77 19	7.5	7.44	3211,3256	*01*,01
2677	57.9	−27 22	7.2	7.34	3198,3240	15,*14*
1170	58.0	+23 16	5.1	4.14	3251,3562,4289	*16*,*11*,28
1233	58.0	+20 8	5.1	*4.68*		*13*, . 13
1109	58.0	+17 7	7.3	7.52	3182,3213	15,*15*
1315	58.0	−14 30	7.0	6.22	3948,3956	*14*,14
1100	58.1	+25 27	6.9	*7.01*		A . .
2647	58.1	−35 3	7.3	7.14	2891,3223,3574	*03*,04,*01*
1339	58.2	+48 15	6.8	6.51	3598,3604,3997	05,*09*,04
1405	58.2	+37 58	6.7	6.40	3570,3937,3943	19,09,*28*
2680	58.2	−27 26	7.1	7.17	3198,3240,3602	*08*,23,*16*
1458	58.3	− 2 29	7.5	7.02	3182,3241,3592,	35,*22*,19,
					3602,3610	*22*,*09*
2372	58.7	−38 59	6.9	6.96	2891,2891,2895,	*02*,*08*,*24*,
					3574,4277	03,31
3373	58.8	−23 13	7.5	7.48	3240,3245	08,*08*
1488	58.9	+40 41	7.5	8.18	3570,3943	03,*04*
1236	59.0	+33 36	6.3	6.10	3570,3575,3937	06,*18*,13
1136	59.2	+14 24	7.5	6.74	3182,3218,3236	13,03,*16*
2675	59.2	−26 17	5.5	5.54	3198,4277	*10*,09
1334	59.4	+35 24	6.1	6.17	3921,3937,4289	*06*,*02*,09
1391	59.4	− 6 42	6.0	5.14	3247,4278	*14*,14
1377	59.6	+38 29	6.0	5.51	3570,3921,4289	*13*,*01*,14
1085	59.6	+ 5 26	6.4	*5.92*		. *08*,09
1322	59.6	−14 5	7.8	6.89	3246,3247,3948	14,*15*;02
1184	59.7	+32 0	7.0	7.12	3570,3575	*09*,09
1116	59.7	+ 4 10	6.0	*5.71*		. . A
1104	59.7	− 1 35	7.4	6.82	3182,3241,3957	25,*22*,*03*
2609	59.7	−36 52	6.9	6.79	2891,2891,2892,	05,05,*09*,
					3574	00
2564	59.7	−37 33	7.6	6.84	2891,2892,3574	*07*,17,*09*
1008	59.8	+28 56	7.3	7.45	3570,3924	04,*04*
1111	0.0	+29 6	7.5	7.58	3570,3589	13,*13*
1112	0.0	+29 31	6.0	6.28	3589,3932,4289	*05*,*01*,05
1269	0.0	+ 0 52	7.7	7.13	3236,4297	00,01
1270	0.2	+ 0 37	7.0	7.26	3217,3236	03,*03*
1357	0.3	+41 52	6.3	6.32	3577,3598,3963	04,*04*,00
2733	0.3	−29 20	7.5	7.72	3198,3240	*01*,02
340	0.4	+71 8	7.0	7.47	3211,3256	*01*,01
1344	0.4	−17 57	7.0	7.82	3182,3246,3610	05,14,*18*
226	0.5	+76 31	7.5	7.84	3211,3256	*11*,11
1349	0.5	−16 29	5.3	5.24	3632,3972	02,*03*
1291	0.5	−18 4	7.5	7.93	3182,3258,3592,	24,*44*,*01*,
					3602,3632,3957,	*05*,36,03,
					3969,3972	*13*,*03*
1360	0.6	+36 16	6.8	6.86	3570,3921,3922	*01*,01,*01*
2743	0.6	−32 10	5.8	5.52	3218,3246,3570,	18,*20*,*01*,
					3949	02
1486	0.7	+42 41	6.8	6.88	3577,3598,3963	03,*02*,*01*
1382	0.7	+38 5	7.0	7.05	3921,3922,3932	*16*,*05*,20
1192	0.7	+23 39	7.2	*6.89*		. A .
1368	0.7	−10 14	6.2	5.58	3248,3249	11,*11*
1079	0.8	+26 40	7.5	7.50	3589,3921	*09*,10
2689	0.8	−28 37	7.5	7.77	3240,3245	09,*09*
2691	0.8	−28 3	7.3	7.19	3240,3245	*11*,11
1248	0.9	+45 33	7.0	7.32	3604,3628	03,*02*
1058	1.0	+55 59	7.4	7.82	3628,3632	*05*,04
897	1.1	+58 57	6.0	5.58	3627,3628,3632	*07*,16,*10*
1364	1.1	+36 5	7.4	7.11	3570,3921	10,*10*
1082	1.1	+26 42	7.0	7.01	3589,3921,3922	*03*,07,*04*
999	1.1	+16 23	7.2	6.51	3213,3235,3980	*04*,*03*,07
1499	1.1	− 5 52	7.0	7.17	3182,3248	*03*,03
1365	1.3	+41 4	6.7	6.42	3577,3604,3963	*04*,15,*10*
1421	1.3	+38 0	7.2	7.02	3921,3922	*02*,02
1001	1.3	+16 34	7.5	7.18	3213,3235	*11*,10
1279	1.3	− 7 37	7.2	7.28	3248,3249	01,*01*
1362	1.6	− 4 11	6.0	5.33	3182,3969,4297,	11,05,*08*,
					4306	*07*
1331	1.6	−14 56	5.0	4.60	3957,4297,4306	*18*,24,*05*
R	1.6	−45 2	. .	5.91	3221,3221	05,*05*
1180	1.7	+22 43	7.5	7.30	3562,3589	03,*03*
2724	1.8	−33 30	7.5	7.26	3223,3239,3574	03,*03*,*01*
R	1.8	−45 5	. .	5.71	3221,3221	*20*,20
1152	1.9	+14 47	4.6	4.20	3235,3980	*12*,13
1297	1.9	− 3 20	7.0	6.75	3241,3248,4297,	*05*,*13*,19,
					4306,4308	*14*,12
2684	1.9	−35 30	6.2	5.79	3218,3246,3570,	07,*08*,10,
					3949,4277	*09*, R
948	2.1	+59 11	7.3	7.20	3627,3628	00,00
1015	2.1	+10 28	7.3	6.88	3995,3997	*06*,05
1412	2.1	− 6 11	6.0	*6.58*		. *04*,04
1386	2.2	−11 10	7.0	6.38	3248,3249,3957	*11*,*03*,13
1357	2.2	−16 30	7.0	6.68	3246,3248,3957	*09*,*05*,15
931	2.3	+60 28	6.9	*6.79*		A . .
3431	2.3	−23 6	5.8	*5.50*		. 05,*06*
2769	2.3	−29 45	5.9	*5.74*		. 04,*05*
1466	2.4	+43 10	7.4	7.02	3577,3628	04,*03*
2730	2.4	−33 13	6.9	6.67	3223,3239,3592	12,*14*,02
1371	2.5	+41 16	7.5	7.89	3577,3604	*08*,08
1207	2.6	+31 17	7.2	7.46	3575,3937	08,*08*
1036	2.6	+11 16	9.0	8.81	4000,4000,4000,	*08*,*01*,*11*,

6^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4000,4000	05,17
3436	2.6	−23 5	8.2	7.13	3240,3245,3950	*12*,*18*,31
3699	2.6	−24 55	7.1	6.93	3240,3245,3925	13,*13*,00
1391	2.7	+38 19	7.5	7.52	3921,3922	17,*17*
517	2.8	+65 44	5.7	5.54	3258,3959,4331	13,11,*25*
1105	2.8	+46 46	7.2	7.18	3604,3628	10,*10*
1353	2.8	−21 48	6.1	6.00	3198,3213,3216, 3217	*15*,15,06, *08*
3008	3.0	−31 24	7.5	7.88	3223,3239,3574	12,*06*,*07*
1121	3.3	− 1 56	8.7	8.05	3251,3256,4357, 4357,4358,4358, 4359,4359,4359, 4360,4360	*15*,08,*08*, 15,05,*01*, *03*,*07*,*16*, 14,07
1202	3.4	+ 8 41	7.5	*6.45*		. A .
1361	3.4	−19 9	5.8	5.56	3230,4297,4306	06,*18*,11
2777	3.4	−32 30	7.3	7.60	3223,3239,3592, 3602	04,28,*27*, *05*
1198	3.5	+22 13	6.5	6.04	3562,3589,3921	*04*,*01*,06
2655	3.5	−34 18	6.1	6.02	3218,3570,3949, 3950	24,*11*,*08*, *06*
1041	3.7	+52 40	6.7	6.27	3627,3628,3963	16,*18*,03
1261	3.7	+47 55	7.2	6.84	3604,3628,3963	*06*,01,05
1226	3.7	+23 8	6.5	5.65	3921,3922,4289	*08*,*10*,18
1150	3.7	+ 7 32	7.5	6.69	3217,3236,3995	04,*03*,*01*
1139	3.8	+ 2 31	6.5	5.53	3231	A
1393	3.8	−11 8	7.2	*6.77*		. A .
1352	3.9	+48 44	6.0	5.72	3604,4331,4345	00,12,*13*
1381	3.9	+44 58	7.5	*7.52*		A . .
1495	3.9	− 2 2	7.5	7.22	3248,3249	*10*,10
1424	3.9	− 6 48	7.0	6.64	3248,3249,3969	*24*,06,17
1299	3.9	− 7 55	6.8	6.65	3248,3249,3969	*06*,02,03
1383	4.0	+41 15	7.5	7.60	3577,3604	10,*11*
1208	4.1	+32 4	7.4	7.52	3575,3921	05,*06*
1220	4.1	+31 59	7.5	7.80	3575,3921	*03*,03
2955	4.1	−25 24	7.4	7.48	3240,3245	*02*,02
2665	4.1	−34 38	7.5	7.30	3239,3240,3245	06,13,*20*
2660	4.1	−36 18	7.5	7.69	2891,2892,3574	00,07,*07*
2609	4.1	−37 14	5.3	5.07	3218,3949,3950	00,*09*,09
198	4.2	+79 49	7.5	*8.09*		A . .
1383	4.2	+44 10	7.3	7.52	3577,3604	00,01
1474	4.3	+43 50	7.0	7.28	3577,3604	04,*03*
1475	4.3	+43 11	6.9	7.06	3577,3604	*01*,02
1332	4.3	− 8 17	8.0	6.83	3248,3249,3969	06,*16*,10
1232	4.4	+23 1	7.4	*6.68*		. 05,*04*
1087	4.5	+15 56	7.5	7.22	3213,3235	*05*,06
395	4.6	+70 50	7.0	7.61	3211,3218	*16*,16
1144	4.6	+ 2 54	7.5	6.72	3217,3231,3995	*03*,01,02
1117	4.7	+26 3	7.4	*7.93*		. A .
1523	4.7	− 5 41	6.3	6.10	3248,3251,4297	*10*,*02*,13
1432	4.7	− 6 31	7.5	7.55	3248,3249	*15*,15

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1327	4.8	−22 24	6.2	*5.36*		. 04,*05*
B	4.8	−42 8	. .	5.25	3218,3570,3592, 3602	22,*58*,10, 25
1036	4.9	+28 56	7.5	7.63	3589,3932	*08*,08
1377	4.9	−17 16	7.5	7.66	3230,3246	*11*,10
1316	4.9	−18 6	6.4	6.17	3230,3246,3957, 3969	*22*,09,08, 06
234	5.0	+76 52	7.5	7.94	3211,3627	*01*,02
1348	5.0	−14 34	7.0	*5.70*		*04*, . 04
1112	5.1	+18 9	6.8	6.44	3213,3235,3980	*07*,14,*06*
1147	5.1	+13 40	7.2	6.67	3235,3236,3241, 3995	21, B,*19*, *02*
1147	5.1	+ 2 56	7.7	6.85	3217,3231,3995	04,*02*,*03*
1151	5.4	+24 27	6.7	*5.92*		07, . *07*
1302	5.4	+20 56	7.0	6.86	3589,3932,3987	*09*,06,03
1330	5.6	−22 45	6.5	*5.74*		. *04*,04
1292	5.7	−15 2	7.3	6.74	3957,3969	*10*,10
1163	5.8	+51 12	6.0	6.22	3577,3607,3963	*11*,02,08
1217	5.8	+32 43	6.0	5.82	3943,4345,4346	04,*01*,*03*
1243	5.8	+23 14	7.3	7.43	3589,3932	*07*,07
1146	5.8	+21 54	7.3	6.55	3589,3932,3937	22,*08*,*15*
1154	5.8	+17 24	7.3	6.91	3213,3235,3980	*04*,*03*,07
1151	5.8	+13 40	6.5	6.01	3241,4297,4308	*23*,29,*05*
2761	5.8	−26 41	6.6	*6.30*		. 05,*04*
368	6.0	+69 30	7.0	*7.56*		A . .
1253	6.0	+19 49	6.0	*5.73*		*03*,00,03
1439	6.1	− 6 44	6.3	5.97	3248,3249,3972	03,03,*06*
1220	6.2	+22 56	6.7	*6.30*		. *05*,04
1035	6.2	+16 9	5.8	*4.88*		. 06,*07*
1313	6.2	− 7 16	7.0	7.55	3248,3249	15,*15*
1187	6.3	+14 14	4.8	*4.42*		. 05,*05*
2826	6.3	−29 48	7.4	7.40	3240,3245	04,*05*
1396	6.5	+44 47	7.5	*7.72*		A . .
1178	6.5	+ 7 26	7.4	6.91	3217,3231,3995	*08*,14,*07*
1392	6.6	+41 44	7.3	6.95	3577,3604,3963	18,*07*,*11*
1443	6.6	+37 11	7.0	*6.52*		. . A
1155	6.6	+ 6 50	7.3	7.09	3217,3231	24,*24*
2780	6.6	−27 8	6.0	*5.80*		. 01,00
938	6.7	+60 2	5.8	*5.60*		*04*, . 03
1044	6.8	+10 22	7.5	*7.43*		A . .
1393	6.8	− 4 38	6.5	*6.04*		01, . *02*
1299	6.8	−15 46	7.0	6.70	3230,3246,3248	*02*,19,*17*
1411	6.9	−10 13	7.3	*7.21*		A . .
2291	6.9	−40 20	6.0	5.70	3570,3602,4345	*27*,19,07
1446	7.0	− 6 31	5.2	5.09	3249,3251,4297	01,*11*,10
2699	7.0	−34 48	6.9	6.66	3221,3223,3574	05,*08*,04
953	7.2	+59 15	6.5	6.75	3963,3969	16,*16*
1279	7.2	+33 40	7.5	7.90	3575,3932	01,*02*
2784	7.2	−26 27	6.3	5.98	3247,4306,4338	06,00,*07*
1334	7.3	−18 10	6.8	6.79	3230,3246,3957	16,*13*,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
575	7.4	+64 52	7.5	*7.55*		A . .
1280	7.5	+33 16	6.7	6.80	3575,3932,3937	*11*,10,01
1048	7.5	+10 20	6.9	6.56	3995,3997	01,*02*
1119	7.6	+46 25	7.3	7.28	3607,3628	10,*09*
1129	7.6	+18 43	6.5	6.21	3213,3235,3980	*04*,*13*,16
1160	7.6	+ 6 3	7.0	6.78	3217,3231,3995	25,*23*,*03*
2779	7.6	−33 51	7.3	7.41	3223,3239,3574	05,*10*,04
1050	7.7	+10 40	6.5	6.40	3995,3997	*01*,00
2794	7.7	−27 54	7.4	7.48	3240,3245,3574,	30,*28*,01,
					3592,3602	04,*07*
371	7.8	+69 21	4.7	4.78	3190,3192,3195,	00,09,09,
					3196,3216,3218,	*50*,*31*,*01*,
					3223,3235,3238,	*01*,*01*,00,
					3241,3247,3249,	*30*,20,*12*,
					3251,3256,3258,	00,00,*11*,
					3559,3562,3575,	27,*22*,*01*,
					3577,3592,3598,	18,29,12,
					3602,3604,3607,	*03*,14,*08*,
					3627,3628,3631,	14,*14*,14,
					3632,3633,3636,	*18*,08,20,
					3922,3924,3925,	*17*,*04*,*12*,
					3944,3948,3950,	07,27,09,
					3951,3956,3957,	01,00,*19*,
					3959,3963,3969,	*10*,*18*,*13*,
					3988,3995,3997,	21,35,02,
					3999,4270,4275,	29,05,11,
					4278,4293,4295,	25,*01*,08,
					4325,4331,4333,	12,*12*,08,
					4333,4334,4348,	*11*,*15*,*11*,
					4349,4352,4354,	R,23,*01*,
					4355,4357,4358,	*19*,*04*,*23*,
					4360,4363	*03*,*01*
1100	7.8	+56 58	7.3	7.40	3627,3628	*01*,01
1512	7.8	− 2 29	7.0	6.48	3251,3256,3972	*08*,05,04
1101	7.9	+56 45	7.0	7.72	3627,3628	01,*01*
1387	7.9	−13 36	7.5	7.42	3230,3246	*02*,01
1405	8.1	− 4 54	7.0	7.00	3972,3979	*02*,01
1346	8.1	− 8 42	6.7	6.70	3248,3249,3972	*11*,17,*06*
1419	8.1	−10 16	7.5	*7.66*		A . .
2800	8.1	−26 1	7.0	7.26	3240,3245	08,*08*
79	8.2	+86 46	7.0	*6.57*		A . .
3014	8.2	−25 13	7.6	7.64	3247,3248	*06*,06
1398	8.4	−17 44	6.5	6.31	3230,3246,3957	*06*,05,01
373	8.5	+69 36	6.8	6.72	3256,3959,3963	06,00,*05*
311	8.6	+72 12	6.3	6.80	3256,3258,3959	05,*16*,12
1182	8.6	+17 57	6.5	5.74	3213,3235,3980	23,*06*,*16*
869	8.7	+61 33	5.5	5.28	3192,3195,3198,	19,39,*01*,
					3216,3218,3230,	39,09,*01*,
					3231,3246,3247,	09,38,*30*,
					3249,3251,3256,	18,10,10,
					3258,3262,3562,	*21*,10,28,
					3563,3575,3577,	04,06,05,
					3598,3602,3607,	10,06,*15*,
					3627,3628,3631,	37,*15*,*32*,
					3632,3633,3636,	15,*29*,*40*,
					3922,3924,3925,	09,*01*,20,
					3944,3948,3950,	*09*,*11*,*01*,
					3951,3957,3959,	*22*,01,*15*,
					3963,3966,3969,	11,08,*01*,
					3972,3997,3999,	13,*41*,12,
					4000,4270,4275,	*38*,02,*18*,
					4278,4283,4293,	*23*,*27*,*12*,
					4295,4325,4333,	16,36,*19*,
					4333,4334,4348,	*10*,15,06,
					4349,4352,4354,	R,02,*08*,
					4355,4357,4358,	*09*,*01*,*02*,
					4359,4360,4363	*34*,03,*03*
2806	8.7	−27 42	7.1	7.66	3240,3245	04,*04*
2792	8.7	−28 59	7.5	7.42	3240,3245	04,*04*
436	8.8	+68 43	7.2	6.93	3256,3258,3959	*05*,04,00
952	8.8	+57 27	7.0	7.04	3627,3628	03,*02*
2808	8.8	−27 43	7.3	7.71	3240,3245	*11*,11
1388	8.9	+36 12	6.6	6.42	3932,3937,3943	13,*14*,01
1345	8.9	− 3 43	6.5	5.93	3241,3248,3972	*03*,*01*,05
1314	8.9	−15 21	7.5	6.92	3957,3972	*02*,03
1154	9.0	+29 33	4.4	4.42	3636,4345,4346	*03*,10,*08*
1270	9.0	+19 12	6.2	5.10	3236,4297,4308	*22*,04,17
1052	9.0	+16 4	7.0	6.73	3213,3235,3980	24,*15*,*09*
1213	9.0	+14 38	7.7	6.81	3995,3997	*02*,02
2810	9.0	−27 42	7.1	8.01	3240,3245	09,*09*
1332	9.1	− 7 13	6.5	6.71	3248,3249,3972	*11*,*01*,13
2800	9.1	−28 26	7.5	7.24	3240,3245	04,*04*
2714	9.1	−36 32	6.8	6.78	2891,2892,3574	08,*05*,*04*
1174	9.2	+ 4 35	7.8	6.98	3995,3997	*03*,02
1459	9.3	+37 42	7.5	7.14	3932,3937	*07*,08
1173	9.4	+13 53	6.3	*5.88*		. *03*,02
1171	9.4	+ 2 20	7.5	7.26	3217,3231	13,*13*
1286	9.5	+33 14	7.5	7.71	3575,3932	03,*03*
1060	9.6	+16 11	5.7	5.16	3235,3980,4297	*38*,01,36
1421	9.6	− 4 32	6.0	5.71	3241,3248,4297	*13*,*11*,24
3577	9.6	−23 50	7.1	6.41	3240,3245,3574,	37,*19*,07,
					3592,3602	*09*,*14*
1474	9.7	+49 32	7.5	*7.37*		A . .
2883	9.7	−29 22	6.8	6.40	3221,3240,3950	11,04,*16*
1121	9.8	+46 4	7.5	7.44	3607,3628,3628	*02*,10,*07*
1141	9.8	+18 20	6.8	6.85	3213,3235,3980	12,*17*,06
1422	9.8	− 4 24	7.5	7.32	3248,3249,3602	18,*12*,*07*
1281	9.9	+45 53	7.2	7.67	3607,3628	18,*18*
1003	10.0	+53 42	7.5	7.52	3607,3628	03,*02*
1172	10.0	+30 9	7.0	6.78	3932,3937	04,*03*

6^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1469	10.0	−6 14	4.5	*4.26*		. . A
1122	10.1	+46 28	6.5	6.50	3628,4331,4345	00,01,00
1062	10.1	+28 54	7.5	7.31	3589,3932	*09*,09
1081	10.1	+12 35	6.0	*5.36*		. . A
1361	10.1	−8 47	7.5	7.02	3241,3248	04,*03*
1182	10.2	+24 0	6.5	6.13	3636,4345,4346	*02*,00,01
1172	10.3	+6 6	7.3	*5.95*		. 03,*03*
1071	10.4	+10 19	7.0	6.74	3994,3995	*05*,06
1181	10.5	+4 19	7.0	*6.41*		. . A
1234	10.5	−0 28	6.5	*5.66*		*08*, . 09
1431	10.5	−4 53	6.6	*6.02*		08, . *07*
1575	10.6	+39 54	7.0	*7.52*		A . .
1191	10.6	+17 12	6.5	6.47	3213,3235,3980	00,01,*01*
1106	10.7	+56 34	6.8	7.06	3628,3632	*05*,05
1543	10.7	+40 22	7.5	*7.72*		A . .
1275	10.7	+1 12	6.5	*6.42*		. . A
1368	10.7	−9 0	6.3	5.96	3241,3248,4297	*10*,*07*,18
2898	10.7	−29 34	7.0	7.08	3221,3240	13,*14*
959	10.8	+59 3	5.0	*4.50*		. . A
1124	10.8	+46 24	6.5	6.53	3610,3628,4331	*12*,12,00
1545	10.8	+40 14	7.4	*7.47*		A . .
1576	10.8	+39 30	6.9	*7.12*		A . .
1375	10.8	+35 10	6.5	*6.62*		A . .
1275	10.8	+23 46	6.8	6.18	3944,3999	04,*04*
1084	10.8	+12 18	6.1	5.17	3995,4297,4308	*06*,10,*05*
1429	10.8	−11 52	6.8	6.56	3230,3246.3957	*04*,00,05
1336	10.8	−20 15	6.3	*5.74*		*26*, . 26
1156	10.9	+5 8	7.5	*7.06*		A . .
1352	11.0	−18 27	6.2	*6.24*		. . A
1411	11.1	−13 41	5.2	*5.01*		. . A
2958	11.1	−30 49	7.4	7.49	3221,3223,3239,3574	06,*16*,06,05
1157	11.2	+18 57	7.5	7.08	3213,3235	19,*20*
1278	11.2	+1 6	7.0	*6.44*		00, . 01
2909	11.2	−29 20	7.5	7.28	3221,3240	13,*14*
1139	11.4	+15 53	7.5	7.18	3213,3235	09,*10*
1285	11.6	+47 25	6.8	7.00	3610,3632,3959	*17*,05,11
1173	11.6	+9 59	6.3	*5.32*		*05*,03,03
1216	11.6	+7 6	7.5	*6.41*		. A .
1071	11.7	+28 2	7.3	7.42	3589,3944	*07*,08
1415	11.7	−16 35	6.8	*5.88*		. . A
1233	11.9	+14 5	7.0	6.48	3235,3236,3995	*10*,00,10
1168	11.9	+5 8	6.5	5.90	3231,4297,4308	23,*08*,*15*
1014	12.1	+54 17	7.5	7.26	3607,3610	*04*,04
1054	12.1	+27 14	7.1	6.72	3589,3636,3944	*10*,18,*08*
1436	12.1	−12 0	7.0	6.83	3230,3246,3957	19,*07*,*11*
2936	12.1	−29 45	7.3	6.89	3221,3240,3950	*08*,05,03
1380	12.2	+35 14	7.0	6.63	3937,3943	09,*09*
1170	12.2	+29 49	7.0	6.86	3944,3999	11,*12*
1345	12.3	−20 10	8.0	8.29	4355,4355,4357,4357,4358,4358	*06*,02,15,*07*,*12*,06
1235	12.4	+14 25	6.0	5.98	3235,3236,3995	00,00,*01*
1452	12.8	+38 28	7.0	7.10	3937,3943,3944	07,*07*,*01*
1293	12.8	+23 38	7.0	*6.59*		. A .
1364	12.8	−22 40	7.0	6.00	3245,3247,3950	*15*,02,13
878	12.9	+61 48	6.9	7.16	3249,3256,3633	00,02,*03*
1445	12.9	−4 21	7.2	6.83	3241,3248,3972	*15*,07,08
1455	12.9	−10 41	7.0	*6.84*		. . A
1365	12.9	−22 20	8.0	*6.88*		. . A
2799	12.9	−35 23	7.7	7.23	2891,2892,3574,3592,3602	*17*,32,05,*20*,02
951	13.0	+60 49	7.0	7.40	3607,3610,3632,3633	*07*,*19*,05,19
2800	13.0	−35 6	4.8	4.66	3223,3239,3245,3574,3592,3602,3949,4271	*31*,06,09,02,25,*11*,*08*,04
835	13.1	+62 9	7.3	7.67	3249,3256	09,*09*
1533	13.1	+42 50	7.4	7.76	3577,3604	05,*05*
3862	13.1	−24 2	7.5	6.84	3245,3247,3950	*02*,*04*,05
328	13.2	+73 30	7.5	7.76	3249,3256,3632,3633,3959,3963,3969	*45*,19,21,*06*,05,03,03
964	13.2	+59 24	7.0	*6.02*		. 11,*10*
1300	13.2	+23 30	7.3	*7.03*		. A .
1203	13.2	+17 21	6.5	6.17	3213,3235,3980	10,*09*,00
1184	13.2	+9 6	7.0	6.38	3217,3231,3994	05,*03*,*02*
1426	13.2	−16 46	6.0	*5.46*		. 02,*01*
2889	13.2	−26 53	7.1	6.81	3240,3245,3950	21,*06*,*15*
1301	13.3	+23 19	7.5	*7.03*		. A .
1487	13.3	−6 42	7.0	6.89	3248,3249,3592,3610,3632	31,*19*,07,*17*,*01*
2491	13.3	−39 13	6.4	6.07	2892,2895,3574	17,*17*,00
225	13.4	+78 21	7.5	8.08	3256,3258,3262	07,06,*13*
1576	13.4	−5 37	7.1	6.65	3248,3249,3972	15,05,*20*
1405	13.4	−19 9	7.0	6.57	3230,3246,3957	*05*,06,*01*
3871	13.5	−24 24	7.5	7.26	3245,3247	*04*,04
1078	13.6	+28 28	7.0	7.16	3589,3636	00,*01*
2707	13.6	−37 42	5.8	5.61	3950,4271,4345	11,*07*,*03*
1008	13.7	+53 30	5.8	5.29	3607,4331,4345	36,*13*,*23*
1199	13.8	+13 29	7.5	*6.96*		. A .
1200	13.8	+13 30	8.5	*7.76*		. A .
2708	13.8	−37 12	6.4	6.10	3240,3249,3258,4308	02,*08*,*30*,34
1091	13.9	+16 3	6.6	6.53	3235,3236,3994	*05*,15,*11*
1407	13.9	−19 56	5.5	5.44	3246,4297,4306	*15*,*07*,22
2998	14.0	−30 58	7.3	7.51	3221,3223,3574	04,*18*,15
1411	14.1	−9 21	5.8	*5.66*		11, . *12*
1536	14.2	+42 23	6.5	6.74	3577,3604,3959	03,04,*07*
1400	14.3	−14 59	6.5	6.26	3957,3972	07,*07*
1289	14.4	+45 40	7.0	7.37	3577,3607	*02*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1247	14.4	+14 41	5.8	*5.97*		. . A
1386	14.4	− 8 32	6.8	6.07	3248,3249,3592	02,10,*12*
1225	14.5	+25 14	7.2	*7.16*		A . .
963	14.6	+57 1	6.9	6.68	3607,3632,3959	01,03,*05*
1189	14.7	+29 25	7.0	6.91	3589,3636,3944	*05*,*05*,10
1355	14.7	−20 53	6.8	*5.77*		04, . *04*
1426	14.8	+44 7	6.7	7.12	3959,3963	11,*12*
1190	14.8	+29 35	6.4	6.33	3589,3944,4345	*07*,24,*16*
3906	14.8	−24 58	7.1	6.87	3245,3247,3950	*07*,01,07
1243	14.9	+ 7 45	7.2	*6.69*		. A .
1373	14.9	− 7 47	5.5	5.06	3249,4297,4306	*49*,09,41
1135	15.0	+46 13	6.9	7.26	3577,3607	*09*,10
1429	15.0	+44 27	7.3	7.66	3577,3604	07,*06*
1564	15.0	− 2 54	5.5	*5.24*		. . A
3915	15.1	−24 55	7.6	7.04	3245,3247	*14*,14
955	15.2	+60 8	7.0	*7.26*		A . .
2569	15.2	−38 51	7.3	7.31	2892,2895,3574	*01*,*06*,07
1203	15.3	+21 11	7.5	7.14	3589,3944,3999	*13*,*01*,13
1128	15.3	+11 47	7.5	*6.43*		. A .
1378	15.3	− 7 49	7.5	6.91	3248,3249,4297	*12*,*04*,15
1446	15.3	−17 29	7.0	7.25	3246,3248,3957	11,06,*18*
2825	15.3	−35 52	7.5	7.95	3221,3223,3574	08,*06*,*02*
1011	15.4	+53 6	7.5	7.63	3577,3607	02,*02*
1327	15.4	+34 39	7.2	*7.47*		A . .
1450	15.4	−13 57	7.0	6.58	3246,3248,3957	*05*,07,*03*
1379	15.5	−22 3	7.2	6.53	3245,3247,3950	*25*,11,14
968	15.6	+59 46	7.5	*7.41*		A . .
1214	15.6	+17 49	6.5	6.46	3235,3236,3980	*08*,02,06
1481	15.6	−10 50	7.3	7.22	3246,3248	04,*05*
1211	15.7	+30 1	7.0	*7.06*		A . .
1313	15.7	+19 56	7.5	*7.30*		A . .
2922	15.7	−26 56	7.4	7.38	3240,3245	04,*03*
201	15.8	+79 33	7.5	*8.01*		A . .
1522	15.9	+43 17	7.4	7.81	3577,3604	02,*02*
1467	15.9	− 4 33	7.3	6.56	3972,3979	*05*,06
1423	15.9	− 9 51	7.2	*7.01*		A . .
1119	16.1	+12 55	8.0	6.87	4349,4349,4352, 4352,4354,4354, 4355,4355	R, R,*09*, 11,01,11, *04*,*08*
2795	16.1	−34 22	6.3	5.64	3223,3239,3574	09,*05*,*05*
1197	16.2	+ 2 19	7.0	6.31	3217,4297,4308	*02*,08,*05*
3729	16.4	−23 36	7.3	6.59	3245,3247,3950	*07*,01,05
202	16.5	+79 3	7.0	6.69	3256,3258,3959	16,*25*,08
1185	16.5	+51 8	7.0	7.27	3577,3607	09,*09*
1392	16.5	+35 35	7.0	7.29	3937,3943,3944	*03*,02,02
1097	16.5	+28 2	7.5	7.71	3589,3633	*04*,06
1459	16.5	−11 47	6.8	6.65	3246,3248,3957	01,12,*14*
3038	16.5	−30 1	3.2	3.02	3245,3247,3249, 3258,4271	*30*,12,20, *13*,13
2524	16.5	−39 27	7.5	6.59	2892,2895,3574,	29,*24*,05,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3592,3602	*19*,08
840	16.6	+62 45	7.3	7.62	3256,3258	06,*05*
1581	16.6	+40 34	7.0	6.86	3937,3943,3944	*03*,*06*,08
1200	16.6	+ 2 24	7.9	7.36	3217,3231	23,*23*
3935	16.6	−24 16	7.4	7.27	3247,3258	03,*03*
1356	16.7	−15 35	9.0	8.66	4349,4349,4354, 4354,4355,4355, 4357,4357	24,28,02, 01,*02*,*20*, *19*,*14*
1460	16.8	−11 44	5.9	5.68	3248,3957,4297	*01*,15,*13*
210	16.9	+80 38	7.2	*7.30*		A . .
401	16.9	+70 37	6.0	*6.04*		00, . *01*
1304	16.9	+22 34	3.0	*3.16*		. . A
1401	16.9	− 8 11	7.3	7.38	3248,3249	01,*01*
1431	16.9	− 9 38	7.5	*7.06*		A . .
1524	17.0	+43 17	6.9	7.12	3577,3604	18,*19*
1224	17.0	+17 37	7.0	6.77	3235,3236,3980	*09*,21,*11*
1123	17.0	+12 37	6.8	5.97	3236,3258,3994	29,*03*,*26*
2806	17.0	−34 6	6.0	5.62	3955,4271,4308	*07*,08,*02*
3021	17.1	−29 38	6.9	7.40	3240,3245	14,*15*
3048	17.1	−30 36	7.5	7.78	3221,3239,3574, 3592	07,07,01, *14*
1488	17.2	+49 20	6.0	4.84	3959,4331,4345	04,*02*,*03*
1186	17.3	+51 41	7.4	7.16	3577,3615	*04*,03
226	17.4	+78 16	7.5	7.15	3256,3258,3262	20,*01*,*20*
1229	17.5	+ 4 15	7.5	*6.89*		. A .
1464	17.5	−13 18	8.4	8.19	3246,3248	*16*,16
2758	17.5	−37 27	7.9	7.74	2895,3574,3592, 3602,3950,3955, 3969	18,05,*23*, 01,07,*08*, 00
1527	17.6	+43 35	6.9	7.22	3577,3604	05,*05*
1361	17.6	−15 37	7.3	6.71	3246,3248,3251, 3256,4355,4357, 4357,4358,4358	*22*,12,*13*, 23,*08*,10, *05*,10,*10*
1501	17.7	+37 23	6.8	7.22	3937,3943,3944	*03*,*09*,11
3031	17.7	−29 7	7.8	7.67	3240,3245	*01*,01
2917	17.7	−33 2	7.3	7.64	3221,3239,3574	*10*,02,07
1125	18.0	+56 20	6.2	*5.63*		. . A
1397	18.0	+35 18	7.5	6.79	3937,3943	06,*06*
1221	18.0	+ 3 49	7.5	*6.31*		. *04*,04
1413	18.0	− 3 14	7.2	6.58	3241,3248,3592, 3602,3610,3970, 3972,3979	*18*,64,48, *14*,*24*,*25*, *12*,*17*
927	18.1	+58 28	6.0	*5.50*		. . A
1414	18.1	− 3 28	7.8	7.00	3241,3248,3592, 3602,3610,3970, 3972,3979,4297, 4306,4308	*10*, R,*67*, 03,10,*10*, 18,03,23, *01*,36
1467	18.3	−17 54	3	*1.97*		. . A
3072	18.3	−30 29	7.5	7.73	3221,3239,3574	*25*,14,11
1484	18.4	− 4 39	7.0	6.45	3970,3972	*05*,05

6h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2927	18.4	−33 23	3.9	4.04	3221,3610,3950,3955,4271,4306,4338	18,17,*02*,01,*17*,*19*,*01*
1213	18.5	+29 46	6.8	6.68	3937,3944	07,*06*
1236	18.5	+ 4 39	4.9	*4.30*		. 08,*09*
1213	18.5	+ 2 43	7.3	7.07	3217,3231,3994	*08*,*14*,23
2822	18.5	−35 0	7.2	7.45	2892,2895,3574	*04*,03,01
1255	18.6	+25 6	6.5	6.60	3944,3999	01,00
1223	18.6	+ 9 13	7.5	7.20	3231,3236	*05*,06
1316	18.6	+ 8 56	6.4	6.07	3231,4297,4308	*22*,16,06
1287	18.7	+32 20	7.5	6.91	3575,3937,3943	08,*08*,01
1423	18.7	−14 47	7.4	6.92	3957,3972	*01*,00
1444	18.8	− 9 49	6.3	6.52	3970,3972	*05*,06
3969	18.8	−24 31	7.4	7.44	3245,3247,4349,4349,4352,4352,4354,4354,4355,4355	*22*,*04*,23,02,36,*10*,*11*, T ,*12*,*01*
1490	18.9	+38 6	7.5	7.18	3937,3943	00,*01*
1490	18.9	− 4 41	8.5	7.39	3241,3248	*01*,01
2554	18.9	−39 10	7.7	7.80	2895,3221,3574	00,00,01
1159	19.0	+11 19	7.5	7.00	3236,3241,3994	06,*15*,08
1135	19.1	+16 7	6.7	6.35	3235,3236,3980	*17*,13,05
1344	19.2	+23 46	7.2	7.07	3589,3633,3944	*22*,03,18
1428	19.2	−15 1	6.5	6.48	3957,3972	00,00
1461	19.2	−16 25	7.2	6.55	3230,3246,3957	13,*06*,*07*
1405	19.2	−18 57	7.5	7.42	3230,3246	10,*09*
2935	19.2	−33 34	7.7	7.30	3221,3223,3574	*08*,19,*10*
1552	19.3	+42 1	7.0	7.14	3577,3604	*05*,05
1235	19.3	+17 3	7.4	6.82	3235,3236,3980	*24*,06,17
1599	19.4	+40 25	7.5	*7.77*		A . .
1346	19.4	+23 30	7.5	6.77	3589,3633,3944	*05*,12,*06*
1347	19.4	+23 23	6.8	6.02	3589,3633,3944	*01*,*04*,05
3096	19.4	−30 54	7.5	7.55	3221,3239,3574	00,00,01
1231	19.5	− 1 22	7.2	6.56	3241,3248,3972	14,*24*,10
1478	19.5	−11 28	6.0	*5.30*		. . A
1485	19.5	−19 44	7.0	6.49	3957,3972	*03*,03
3245	19.5	−31 45	6.8	6.62	3221,3239,3574	08,*22*,14
1629	19.6	+39 44	7.2	*7.67*		A . .
1232	19.7	+21 42	7.2	*6.65*		. A .
3055	19.7	−29 49	7.1	6.96	3240,3245,3950	*02*,09,*06*
2833	19.7	−34 57	6.8	6.60	2892,2895,3574,3972	*09*,*02*,07,03
1283	19.8	+14 48	6.5	6.43	3994,3994,3995	19,*06*,*14*
1470	19.8	−12 55	6.3	5.95	3230,3246,3957	*15*,18,*02*
1387	19.9	+48 51	7.0	7.29	3577,3607	11,*11*
1343	19.9	+34 4	7.5	7.62	3937,3943	*04*,05
1467	19.9	−16 11	7.4	6.67	3230,3246,3957	01,*08*,07
3189	19.9	−25 32	6.0	*5.70*		. *14*,14
1332	20.1	+ 1 33	7.6	6.46	3231,3236,3956	*03*,*13*,15
1287	20.2	− 0 52	6.4	5.82	3216,4297,4306	*02*,07,*05*
2993	20.2	−26 24	7.2	6.86	3240,3245,3950	16,*11*,*05*
1214	20.3	+18 49	7.4	6.86	3235,3236,3956	*08*,02,06
1191	20.3	+15 13	7.2	*7.04*		A . .
2869	20.3	−36 58	7.5	6.93	2892,2895,3574	04,*05*,01
1299	20.4	+47 28	7.0	6.34	3577,3607,3959	29,*12*,*17*
1456	20.5	− 9 2	7.5	7.36	3216,3248	08,*07*
1227	20.6	+ 2 19	6.9	6.28	3231,3236,3956	*15*,05,11
1601	20.6	− 2 56	7.0	6.68	3216,3248,3972	*08*,04,05
2873	20.6	−36 40	6.6	5.85	3240,3574,4306,4338	13,17,*23*,*08*
1414	20.7	+ 0 52	7.5	6.83	3956,3994	*11*,11
2875	20.7	−36 39	7.0	6.66	2892,2895,3574	*13*,*04*,17
244	20.8	+76 57	7.5	8.14	3256,3258	11,*10*
1425	20.8	− 3 50	7.2	6.40	3216,3241,3972	*10*,*10*,20
2577	20.8	−39 39	7.9	7.86	2895,3221,3592	*24*,16,07
1075	20.9	+52 31	7.5	7.20	3577,3632	04,*05*
1197	20.9	+15 35	7.0	6.71	3235,3236,3956	*13*,*13*,27
2981	20.9	−28 44	6.7	*6.32*		. *04*,05
247	21.0	+77 59	7.5	7.54	3256,3258	11,*10*
1300	21.0	+82 38	6.5	6.43	3575,3937,3948,4345,4346,4348	21,*50*,16,*21*,21,11
1250	21.0	+13 10	7.0	6.59	3236,3241,3956	*01*,*01*,08
1430	21.1	− 3 28	7.4	6.54	3216,3241,3972	*14*,06,09
1232	21.2	+30 43	7.1	6.89	3575,3937,3948,4345,4346,4348	05,*49*,13,01,30,01
1422	21.2	− 7 51	6.8	6.39	3216,3248,3970,3972	T ,00,01,00
971	21.4	+60 13	7.2	6.78	3959,3969	09,*09*
1384	21.5	−20 55	7.8	7.23	3245,3247	07,*07*
1296	21.6	+14 57	7.0	7.19	3956,4297	*11*,11
1242	21.6	− 1 27	6.5	5.73	3216,3249,3972	*03*,09,*05*
1510	21.6	− 4 32	7.0	6.10	3972,4297,4306	15,06,*22*
1637	21.8	+89 2	7.4	7.85	3937,3943	12,*12*
1355	21.8	+34 33	7.5	*7.62*		A . .
1427	21.8	+20 52	7.0	*6.55*		. A .
1421	21.8	+ 0 54	7.6	6.53	3956,3994	08,*08*
1429	21.9	− 7 27	6.7	6.30	3216,3248,3972	*06*,*01*,08
3090	21.9	−29 39	7.0	6.72	3240,3245,3955	12,03,*14*
2864	21.9	−35 1	7.1	6.38	3245,3602,3972,4306,4338,4346	*10*,06,57,*29*,*22*,*01*
1613	22.0	+40 11	7.3	*7.77*		A . .
1442	22.0	+36 34	7.4	7.09	3937,3943	02,*02*
1356	22.0	+34 56	7.0	*7.27*		A . .
1428	22.0	+20 34	6.8	6.16	3633,4345,4346	04,*22*,18
1512	22.0	− 4 24	8.0	6.82	3216,3249,3972	05,*12*,08
1514	22.0	− 4 18	7.2	*6.88*		. A .
932	22.1	+58 14	6.3	*5.96*		. 07,*06*
1238	22.1	+30 34	6.0	5.53	3575,3937,3943,4345,4346,4348	*37*,*38*,35,18,32,*08*
1237	22.1	+ 2 58	6.1	5.70	3956,4297,4308	02,00,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1426	22.1	+ 0 21	5.9	5.42	3956,4297,4348	08,*01*,*07*
1450	22.1	−14 33	7.0	*6.54*		A . .
1243	22.2	+ 5 14	7.5	6.74	3956,3994	*02*,01
1299	22.2	− 0 13	6.2	*5.82*		. 13,*12*
1447	22.2	−19 15	7.3	7.02	3230,3246	*10*,11
1641	22.3	+39 44	7.4	*8.02*		A . .
2896	22.4	−35 17	7.5	7.11	2892,2895,3574, 3592,3602,3955, 3969,3972	17,*46*,05, *07*,01,19, *02*,15
1149	22.5	+46 45	6.0	*6.02*		. . A
3026	22.5	−26 3	8.0	7.76	3240,3245,3604, 3607	*12*,02,14, *06*
2647	22.5	−38 53	7.5	7.32	3221,3239,3574	03,*07*,04
2453	22.6	−40 55	7.2	6.70	4306,4306,4360, 4360,4363,4368	04,03,*29*, *31*,25,29
1122	22.7	+27 2	7.0	6.49	3589,3633,3944	*10*,*01*,10
1159	22.7	+16 19	6.5	6.33	3235,3236,3956	*05*,*05*,11
1149	22.8	+10 23	6.6	*6.19*		*16*, . 16
853	22.9	+62 50	7.3	7.58	3256,3258	00,*01*
1249	22.9	+ 5 21	8.0	7.22	3969,3969,3970, 3970,3979,3979, 4354,4354,4355, 4355,4357,4357	*06*,09,*10*, *07*,*15*,*10*, 15,08,01, 13,17,*16*
1441	23.0	+20 17	4.3	4.03	3570,3633,4345	20,20,*41*
1526	23.0	− 4 42	5.4	5.03	3216,4297,4306	*16*,*03*,19
2982	23.0	−38 22	7.5	7.31	3239,3240,3574	12,08,*19*
208	23.1	+79 40	6.3	6.58	3256,3632,3636	*06*,08,*01*
1244	23.1	+ 1 58	7.1	6.29	3231,3236,3956	04,*06*,03
1260	23.2	+17 49	7.5	7.53	3235,3236	05,*05*
3237	23.2	−25 48	6.5	6.22	3245,3602,4338	06,02,*08*
1417	23.3	−22 4	7.8	7.56	3245,3247	*18*,18
3046	23.3	−32 6	7.5	7.21	3239,3240,3592	*21*,14,06
177	23.4	+82 12	6.7	*6.39*		A . .
1451	23.4	+41 28	7.0	6.61	3577,3604,3959	07,*15*,09
1504	23.4	−13 6	7.4	6.94	3230,3246,3957	06,*01*,*04*
1193	23.5	+11 5	7.1	6.43	3236,3241,3956	03,*08*,04
1307	23.6	− 0 40	7.9	6.86	3216,3251,3970	04,*16*,13
1308	23.7	− 0 31	7.3	6.69	3970,3972	*01*,01
1500	23.7	−18 0	7.7	7.46	3230,3246	*06*,07
2837	23.7	−37 50	6.8	6.56	2892,2895,3592	02,24,*26*
1437	23.8	+ 0 12	7.9	6.59	3956,3979	02,*02*
1649	24.0	+39 50	7.0	6.65	3937,3943	*01*,01
1138	24.0	+28 17	6.8	6.85	3570,3589,3944	*05*,*03*,08
1253	24.0	+ 2 43	6.8	6.39	3231,3236,3956, 4297,4348,4349, 4352	*36*,*06*,28, 15,00, R, 01
1574	24.0	− 6 58	5.5	*3.95*		. . A
1575	24.0	− 6 58	5.5			
1503	24.0	−12 59	7.6	7.36	3230,3246	*06*,07
4062	24.0	−24 56	6.3	R	3955,3969,3999,	R, R, R,
1268	24.2	+17 59	7.1	7.33	3235,3236	*05*,05
1506	24.2	−17 24	6.3	5.94	3230,3246,3957	11,02,*12*
533	24.3	+65 21	7.3	*7.55*		A . .
1352	24.3	+22 37	7.5	6.83	3570,3589,3944	*01*,*07*,08
3066	24.5	−32 31	4.7	4.40	3245,3262,3610, 4271,4278,4295, 4306,4308,4338	*18*,*10*,*13*, *01*,*03*,*08*, 21,36,*05*
322	24.6	+72 6	7.5	7.79	3218,3256	04,*04*
1259	24.6	+ 9 6	6.9	6.62	3956,3979	*15*,14
1206	24.7	+51 3	7.5	7.76	3577,3615	18,*18*
1524	24.8	+37 15	6.5	6.66	3937,3943,3944	*18*,*02*,19
227	24.9	+78 4	6.0	5.89	3258,3262,4331	05,06,*10*
3072	24.9	−32 18	6.5	5.65	3262,4306,4338	05,*02*,*03*
1320	25.1	+32 14	6.8	6.91	3575,3937,3943	*24*,17,06
1267	25.2	+ 5 57	7.1	6.70	3231,3236,3956	*15*,16,*02*
1500	25.2	−16 57	7.3	7.00	3230,3246,3957, 3970,3972	45,*14*,*24*, *13*,06
1429	25.3	−22 32	7.0	6.69	3245,3247,3955	*14*,03,11
340	25.4	+73 46	6.0	6.28	3198,3211,3213, 3217,3230,3235, 3239,3241,3246, 3247,3258,3262, 3267,3269,3270, 3563,3570,3574, 3577,3602,3604, 3607,3610,3611, 3612,3614,3627, 3628,3631,3633, 3932,3937,3943, 3949,3951,3954, 3959,3963,3965, 3966,3970,3972, 3975,3991,3994, 4000,4001,4005, 4271,4275,4277, 4286,4293,4295, 4327,4338,4348, 4358,4359,4360, 4366	17,15,04, 05,*03*,16, *03*,*03*,04, *02*,*04*,17, *34*,07,*14*, 03,20,06, 15,*04*,04, 12,12,*05*, *14*,*18*,*08*, *09*,01,08, 00,02,06, *39*,*10*,*05*, *05*,07,*04*, *07*,*03*,03, 05,*32*,*05*, 00,03,21, 03,*09*,*05*, 02,*04*,07, *04*,14,*13*, 07,*01*,08, *08*
1310	25.4	+47 1	6.8	7.14	3577,3607	28,*28*
1275	25.4	+17 1	6.3	6.19	3235,3236,3956	*21*,09,11
406	25.5	+70 35	7.2	7.72	3218,3256	15,*14*
1639	25.5	− 2 57	7.5	7.06	3216,3251,3972	*06*,*06*,12
1493	25.5	−10 1	6.3	6.17	3230,4297,4306	*02*,04,*03*
1277	25.6	+17 29	7.5	7.33	3235,3236	05,*05*
1204	25.6	+11 19	6.8	5.83	3236,3241,3956	13,*18*,04
1157	25.8	+46 34	7.0	6.78	3577,3607,3959	28,*26*,*02*
1177	25.8	+16 54	7.5	7.08	3235,3236	*10*,10
2907	25.8	−34 2	7.5	7.72	3223,3239,3592	01,17,*18*
1364	25.9	+22 15	7.2	7.17	3570,3589	13,*13*

6^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1178	25.9	+15 58	6.6	*6.37*		. A .
1514	25.9	−12 1	7.5	6.70	3230,3246,3957	*18*,16,02
1476	25.9	−14 53	7.5	6.67	3957,3972,4306	07,*06*,00
1464	25.9	−19 9	6.0	*6.71*		*08*, . 08
1097	26.0	+52 33	7.0	6.82	3577,3615,3959	11,*03*,*08*
1661	26.0	+39 52	7.2	*7.22*		A . .
1436	26.0	+35 22	6.5	6.90	3943,3944	*10*,10
1324	26.0	+32 31	5.8	5.94	3937,4345,4346	*08*,*16*,23
1519	26.0	−13 5	6.3	6.09	3230,3246,3957	01,*06*,06
1437	26.1	+35 8	6.8	*7.27*		A . .
1207	26.1	+11 52	7.1	6.46	3236,3241,3956,4348,4349,4352,4354	*10*,*21*,48,04, R,*12*,*11*
1209	26.2	+11 36	5.5	5.09	3236,3241,4348	07,*04*,*02*
3357	26.2	−31 6	7.5	7.35	3239,3240,3592	07,03,*09*
1093	26.3	+55 26	6.7	6.60	3959,3969	00,*01*
1280	26.3	+ 5 50	7.0	6.83	3231,3236,3632,3633,3636	*38*,13,08,08,09
1515	26.3	−17 51	8.4	7.74	4349,4349,4352,4352,4355,4355,4357,4357	R, R,*07*,*15*,26,02,00,*03*
1434	26.4	−22 15	7.5	7.21	3245,3247	07,*07*
1286	26.5	+17 51	6.5	*6.72*		. A .
1230	26.6	+15 47	7.5	7.13	3236,3241	05,*05*
1283	26.6	+ 5 0	7.3	6.78	3979,3994	07,*07*
1664	26.7	+39 31	7.0	*7.22*		A . .
1141	26.7	+27 54	7.5	7.72	3570,3589	08,*09*
1666	26.7	− 5 18	8.0	7.22	3216,3251	*05*,06
1213	26.8	+11 45	7.0	6.15	3236,3241,3956	10,11,*20*
1278	26.8	+ 6 6	8.0	6.67	3632,3633,3636	09,*03*,*06*
1518	26.8	−12 19	5.0	5.35	3957,4306,4338	*08*,07,00
1520	26.8	−12 30	7.2	6.76	3230,3246,4306	06,*20*,14
3051	26.8	−27 42	6.1	5.74	3247,4306,4338	08,06,*14*
1379	26.9	+ 8 53	7.5	6.86	3231,3236,3956	*11*,00,10
1233	27.0	+15 5	7.0	*7.24*		A . .
1302	27.0	+ 4 53	8.5	6.93	3231	A
1462	27.0	− 8 5	5.5	*5.62*		. . A
1304	27.1	+ 4 55	7.0	6.20	3979,4348	23,*23*
1098	27.2	+52 57	7.5	7.30	3577,3615	04,*05*
1356	27.2	+33 6	6.5	6.38	3575,3943,3944	*09*,*03*,11
1491	27.3	−21 20	6.8	6.68	3245,3247,3955	*10*,16,*07*
2921	27.3	−34 56	7.5	7.09	3223,3239,3592	*01*,05,*05*
1562	27.4	+43 8	7.5	7.58	3577,3604	05,*05*
1456	27.4	− 7 20	7.5	7.18	3216,3251	*01*,00
996	27.5	+59 44	7.0	6.84	3959,3969	*05*,05
1523	27.5	+38 8	7.0	6.61	3575,3943,3944	*06*,14,*08*
1337	27.5	+ 7 24	5.0	4.72	4012,4012,4012,4012	01,07,*11*,02
1678	27.5	− 5 48	5.7	5.64	3972,4306,4338	15,*07*,*07*
1521	27.5	−17 59	6.3	6.76	3230,3246,3251	09,*10*,00
943	27.6	+58 11	6.8	6.64	3615,3632,3959	*06*,10,*04*
1134	27.6	+56 27	6.8	*6.53*		. A .
3991	27.6	−23 21	4.5	*4.39*		. 02,*02*
3121	27.7	−32 48	7.1	6.59	3239,3240,3592	*03*,02,01
2947	27.7	−35 11	6.5	5.97	2892,2895,3592	11,08,*18*
1528	27.8	+38 36	7.5	7.12	3575,3943	05,*06*
1339	27.9	+14 14	6.0	*5.61*		03, . *03*
1516	28.1	+49 57	7.5	*8.07*		A . .
1520	28.1	−11 6	7.0	*6.47*		. . A
3189	28.1	−29 14	7.5	7.52	3240,3245	*16*,16
1469	28.2	− 8 54	7.5	7.20	3216,3251	04,*04*
2962	28.2	−36 52	6.9	6.52	2895,3221,3592	08,00,*09*
1432	28.3	−20 57	7.2	7.13	3245,3247	*03*,03
1539	28.4	+37 9	7.2	7.42	3575,3943	02,*03*
1342	28.5	+31 31	7.0	7.11	3575,3636	04,*04*
893	28.6	+61 34	6.1	*6.01*		. 02,*02*
1540	28.6	+37 48	6.8	6.93	3943,3944,3999	*10*,06,05
1274	28.6	− 1 9	5.9	5.03	3216,4306,4338	*23*,22,01
1565	28.7	+43 47	7.3	7.10	3577,3604	*10*,10
1344	28.7	+14 50	7.4	*7.44*		A . .
359	28.8	+71 50	6.0	6.13	3249,4331,4346	*17*,*02*,18
1391	28.8	+19 30	7.2	*6.88*		A . .
3078	28.8	−27 20	7.3	*7.05*		. A .
3407	28.9	−31 57	6.0	5.55	3592,3610,4278,4295,4306	02,*09*,18,12,*23*
217	29.0	+80 21	7.3	*7.50*		A . .
1168	29.0	+28 6	5.1	5.13	3589,4345,4346	06,*06*, R
1303	29.0	+ 2 59	7.5	6.77	3231,3236,3956,3979	*24*,16,*13*,21
1446	29.0	−22 32	8.3	8.18	3245,3247	17,*16*
2889	29.0	−37 37	5.8	5.45	3221,3240,3262,3610,4278,4295,4306	09,05,*07*,18,03,03,*28*
212	29.2	+79 40	5.5	*5.70*		. . A
1136	29.2	+56 56	6.2	5.66	3615,4331,4345	*17*,12,05
1201	29.2	+16 16	7.3	6.67	3236,3241,3980	11,*19*,07
1437	29.2	−20 51	6.6	6.52	3955,3969	01,*02*
1663	29.3	− 3 0	7.0	7.09	3216,3249,3972	*19*,*17*,35
1569	29.3	− 4 49	7.4	*7.05*		A . .
455	29.4	+66 15	7.5	7.64	3218,3249,3632,3633,3636	23,*28*,15,02,*12*
896	29.4	+61 34	7.3	7.02	3256,3258	*04*,05
1097	29.4	+55 26	7.0	*7.31*		A . .
1343	29.4	+32 22	7.3	7.23	3575,3943	*11*,11
1357	29.4	+ 7 39	7.5	*6.42*		. A .
1351	29.5	+31 33	6.5	7.22	3575,3636	07,*08*
1539	29.7	+38 31	6.3	5.73	3575,3943,3944	00,14,*14*
3153	29.7	−32 9	7.4	7.13	3223,3239,3592	14,07,*20*
988	29.8	+57 16	6.7	6.84	3615,3632,3959	*08*,17,*10*
1186	29.8	+10 4	7.0	6.01	3235,4348,4349,	*06*,*03*, R,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4352	09
2901	29.8	−37 45	7.7	7.19	2895,3221,3592	11,02,*13*
2730	29.8	−38 33	6.9	6.52	2895,3221,3592	*02*,18,*17*
249	30.1	+76 41	7.5	7.24	3256,3258	*09*,10
1491	30.1	+ 0 58	6.6	*5.69*		*10*, . 10
1164	30.2	+27 22	6.8	6.89	3570,3589,3944	*05*,*08*,14
1210	30.2	+16 53	7.1	*6.69*		. A .
1576	30.3	− 4 43	7.3	*7.45*		A . .
3225	30.3	−29 33	7.3	6.76	3240,3245,3955	08,*11*,02
2990	30.3	−36 9	5.9	5.53	3262,3577,3610,	01,*01*, B,
					4278,4295,4306	05,01,*06*
1329	30.4	+13 47	7.5	7.03	3236,3241	05,*05*
1446	30.5	−20 29	7.0	6.88	3955,3969	01,*01*
1425	30.6	+23 11	7.4	6.80	3570,3589,3944	01,*24*,23
1335	30.7	+ 4 35	7.5	6.52	3956,3979	*01*,00
1255	30.8	+15 50	7.5	7.13	3235,3236	*05*,05
1458	30.9	−22 53	5.0	*4.62*		. 08,*03*
3168	30.9	−32 38	6.1	5.51	3218,3577,3955,	*04*,13,19,
					3966,4278,4295	*45*,10,05
3241	31.1	−30 1	7.1	7.12	3223,3239,3592	24,*15*,*10*
3080	31.1	−33 56	7.0	6.69	3223,3239,3592	17,02,*20*
1550	31.2	−11 18	7.5	7.19	3230,3246	*07*,07
867	31.3	+62 1	7.2	*6.55*		. A .
1514	31.3	−22 2	6.9	6.53	3245,3247,3955	*35*,11,24
1328	31.4	+24 40	6.7	6.52	3944,3995	09,*10*
2965	31.4	−34 58	8.0	7.28	3223,3239,3592	10,06,*15*
1480	31.6	+41 40	7.0	6.79	3577,3604,3959	06,11,*18*
1363	31.6	+30 58	7.0	7.23	3575,3636	00,00
1710	31.6	− 5 8	5.8	*5.53*		02, . *02*
1668	31.7	+40 26	7.0	*7.47*		A . .
1690	31.7	+39 29	6.5	*5.71*		01,09,*11*
1433	31.8	+23 41	7.3	6.78	3570,3589,3944	08,*12*,08
1482	31.9	+41 35	7.5	7.72	3577,3604	21,*22*
1665	31.9	+39 59	6.1	*5.34*		*07*, . 08
1288	31.9	+18 29	7.5	7.43	3235,3236	05,*05*
1223	31.9	+16 29	2.1	*1.90*		. 01,*02*
1309	32.0	+ 6 13	6.5	*6.08*		. 05,*06*
1480	32.0	−18 35	6.5	5.61	3248,4306,4338	18,*17*,00
1501	32.0	−19 24	7.3	7.28	3230,3246	*06*,05
4210	32.0	−24 46	7.2	7.64	3245,3247	*14*,14
3009	32.0	−36 42	6.0	5.51	3213,3247,3577,	*16*,21,*16*,
					3966,4278,4295,	38,*11*,*02*,
					4306,4346	03,*18*
2761	32.0	−38 44	7.7	7.18	2895,3223,3592	00,15,*15*
1293	32.1	+29 4	6.2	*5.58*		*02*, . 02
1201	32.1	+10 56	7.1	*6.60*		. A .
1680	32.1	− 2 6	7.5	7.01	3216,3249	*01*,01
3011	32.1	−36 10	7.1	7.10	2895,3223,3592	*02*,16,*15*
1585	32.2	+42 35	4.8	5.17	3577,3604,3607	24,*14*,*11*
1332	32.2	+24 32	7.0	6.54	3944,3995	03,*02*
1570	32.2	−13 14	6.0	*6.40*		. *02*,01
1502	32.3	−19 10	4.2	4.10	3230,3246,4338	02,*07*,05
3174	32.3	−26 27	7.4	7.64	3240,3245	*02*,01
3183	32.3	−28 45	7.0	7.17	3240,3245	09,*09*
460	32.4	+66 17	7.0	7.12	3218,3256	*05*,06
1377	32.4	+33 7	7.4	7.17	3575,3633	00,00
1315	32.4	+ 2 48	6.1	*6.42*		. . A
3005	32.4	−36 0	6.9	6.31	2895,3223,3592	17,*05*,*11*
3008	32.4	−35 5	7.7	7.36	2895,3239,3592	*01*,*04*,04
1334	32.5	+ 5 3	7.0	6.22	3988,4348,4352	*04*,*15*,20
1472	32.5	−22 32	7.0	6.23	3245,3247,3248	*18*,19,00
1140	32.6	+56 10	7.5	7.09	3607,3615	03,*03*
1369	32.6	+31 51	7.1	7.31	3575,3633	*04*,04
1182	32.6	+27 53	7.4	7.20	3570,3589	03,*02*
1323	32.6	+ 2 21	7.5	7.18	3231,3236	*15*,15
1506	32.7	+44 6	6.8	6.60	3959,3969	06,*05*
1496	32.7	− 8 9	7.0	7.15	3216,3251	*11*,11
3468	32.7	−31 48	7.3	6.80	3239,3240,3955,	*20*,25,03,
					3969	*09*
3020	32.7	−36 3	7.4	7.15	3223,3239,3592	01,10,*12*
1382	32.8	+ 7 14	7.4	7.30	3231,3236	*15*,16
1112	32.9	+52 4	7.4	7.52	3607,3615	09,*09*
1509	33.0	+44 25	7.0	6.82	3577,3604,3959	14,*05*,*09*
1416	33.1	+22 7	7.0	6.28	3570,3589,3944	09,*19*,09
1499	33.1	− 8 42	7.5	7.30	3216,3251	*16*,16
1566	33.1	−12 54	6.8	6.21	3246,3248,3957	*18*,04,14
1506	33.2	−19 42	7.5	*7.54*		A . .
3201	33.2	−28 37	7.3	7.37	3240,3245	*01*,02
1196	33.3	+28 21	6.0	5.85	3262,3944,3995,	*05*,04,09,
					3997	*07*
1363	33.3	+ 4 44	8.8	*8.35*		A . .
1484	33.4	+41 4	7.0	6.86	3577,3604,3959	07,*07*,00
1343	33.4	+24 41	6.8	6.44	3944,3995	*06*,05
1691	33.4	− 2 27	6.4	6.33	3216,3251,3970	*03*,17,*15*
1365	33.5	+ 4 47	7.5	6.50	3979,3988	*09*,10
1443	33.5	+ 1 42	6.8	6.13	3231,3236,3979	*10*,10,*01*
1492	33.5	−18 9	4.9	4.61	3957,4338,4346	*12*,07,05
2782	33.6	−38 4	6.7	6.08	2895,3223,3592	*03*,03,00
1676	33.7	+40 16	7.4	*7.17*		A . .
3031	33.8	−36 54	6.3	5.76	3213,4338,4348	16,*17*,00
3216	34.0	−32 15	5.7	5.34	3577,3955,3966,	25,08,*32*,
					3969,4295	*09*,09
1554	34.1	−16 47	6.3	5.93	3246,3248,3957	03,08,*12*
1701	34.2	+39 20	7.5	7.38	3636,3943	05,*06*
1430	34.2	+19 46	7.5	*7.35*		A . .
1356	34.2	+13 5	7.0	5.88	3236,3241,3988,	00,*30*,20,
					4348,4352,4354	00,*04*,15
4144	34.2	−23 29	6.9	6.61	3245,3247,3955	04,*09*,04
1383	34.3	+33 8	7.4	7.64	3575,3636	*04*,03
1556	34.3	−16 10	7.3	6.90	3246,3248,3957	*21*,23,*03*

6^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2798	34.3	−38 32	7.5	7.41	3223,3239,3592	*05*,*01*,06
1326	34.4	+47 53	7.5	7.54	3604,3607	*03*,02
657	34.7	+63 4	7.2	6.86	3256,3258,3954	02,01,*04*
1525	34.7	−14 3	5.5	*5.06*		01, . *02*
1498	34.7	−18 6	7.8	7.38	3246,3248	*02*,03
R	34.7	−43 6	. .	3.06	3239,3262,3269,3574,3577,3602	*40*,*08*,14,16,07,13
1482	34.9	+36 3	6.5	6.33	3943,3944,3995	*16*,11,05
1307	35.0	+29 49	7.2	*7.36*		A . .
1207	35.0	+28 18	6.5	6.64	3262,3633,3944,4331	06,18,01,*24*
1061	35.1	+54 13	7.5	7.88	3615,3632	04,*04*
1328	35.1	+47 51	7.5	7.27	3604,3607	*11*,11
1338	35.1	+ 6 28	7.0	6.37	3231,3236,3979	08,*11*,02
1372	35.2	+32 44	7.5	7.67	3575,3636	*09*,09
3314	35.2	−29 4	7.4	8.02	3240,3245	04,*04*
2970	35.3	−37 54	7.5	6.87	2895,3223,3592	11,07,*17*
1664	35.4	− 6 15	7.3	7.18	3216,3238	*01*,00
1540	35.4	−21 14	9.0	8.61	3256,3258,3267,4354,4354,4355,4355,4357,4357	*24*,*11*,20,*05*,*05*,*04*,14,16,*05*
4172	35.4	−23 36	6.6	5.94	3245,4338,4346	*02*,14,*11*
1194	35.5	+27 11	7.5	7.68	3262,3570	12,*11*
1220	35.5	+10 0	4.0	R		
3047	35.5	−35 3	8.3	7.90	2895,2895,3592	08,*02*,*05*
1242	35.6	+16 30	7.3	6.13	3241,4348,4352	*15*,21,*06*
1584	35.7	+49 30	7.4	*7.72*		A . .
1713	35.7	+39 0	7.0	6.96	3636,3948,4331	19,*20*,01
1273	35.7	+11 6	6.9	*6.43*		. A .
1345	35.7	+ 9 5	7.0	*6.65*		. A .
1518	35.8	+44 38	5.5	5.16	3959,3969,4331,4345	20,*01*,*15*,*02*
1001	35.9	+57 1	7.2	7.15	3607,3615	07,*07*
3386	35.9	−30 22	5.9	5.87	3211,3577,3592,3604,3951,4295	*05*,06,05,04,*03*,*05*
1546	36.0	+ 0 36	6.5	*5.60*		*07*, . 08
1056	36.1	+58 24	6.5	6.88	3607,3615,3959	09,06,*15*
1346	36.1	+ 6 13	7.7	6.83	3231,3236,3979	*08*,*07*,14
1547	36.1	−21 18	7.5	7.51	3245,3247	17,*17*
1229	36.2	+51 34	7.3	7.53	3607,3615	15,*15*
1378	36.2	+32 40	6.6	6.87	3575,3636,3943	*08*,06,03
1394	36.2	+14 31	7.5	*7.64*		A . .
1395	36.2	+14 19	6.7	6.88	3988,3994	03,*03*
1523	36.2	− 7 28	7.1	7.10	3216,3238	14,*14*
1585	36.3	−12 5	7.3	6.78	3246,3248,3957	08,*01*,*06*
1567	36.5	+37 15	6.5	6.24	3636,3943,3944	*15*,08,06
2817	36.5	−38 4	7.0	6.62	2895,2895,3592	13,13,*25*
1357	36.6	+17 45	5.5	*5.18*		. 10,*10*
1351	36.6	+ 6 27	7.3	6.20	3231,3236,3979	*15*,*04*,19
1526	36.6	− 7 4	7.2	6.84	3216,3238,3970	*07*,*06*,12
3270	36.6	−28 10	7.2	7.19	3240,3245	*01*,01
1409	36.8	+ 7 30	7.3	7.10	3231,3236	*05*,06
1359	36.9	+ 3 21	7.3	6.99	3231,3236,3979	*06*,04,03
1682	36.9	− 6 3	8.5	8.26	3216,3223,3238,3271,3272,3972,3972,4354,4354,4355,4355,4357,4357	*09*,20,*18*,11,20,*08*,07,01,*12*,02,*09*,09,*17*
233	37.1	+78 12	7.8	8.12	3256,3258,3632,3633,3643,3954,3959,3969,4331,4346,4348	*17*,02,08,*07*,*16*,*18*,*06*,21,*02*,30,01
1058	37.2	+53 11	7.3	7.29	3607,3615	07,*07*
1753	37.2	− 6 1	7.0	6.88	3216,3223,3238,3271,3272,3972,3972,4354,4354,4355,4355,4357,4357	09,*02*,00,09,*32*,*01*,12,11,10,*12*,*25*,14,12
1601	37.2	− 9 4	5.9	5.41	3216,3251,3970	*07*,05,03
1495	37.2	−20 13	6.8	*6.83*		A . .
1696	37.3	+40 44	7.0	6.87	3636,3943,3944	*04*,*12*,17
1015	37.4	+59 33	5.0	4.89	3258,4331,4345	01,*06*,06
3412	37.4	−30 33	7.5	7.08	3239,3240,3592	*03*,12,*09*
1525	37.5	+44 37	7.0	6.79	3959,4331,4345,4346	22,*13*,*18*,10
1494	37.5	+36 12	6.7	6.28	3943,3944,3995	*02*,02,01
1324	37.5	+18 15	7.3	7.63	3235,3236	15,*15*
1478	37.5	−15 54	7.5	6.84	3246,3248,3957	15,*11*,*04*
1479	37.5	−15 6	7.3	*7.19*		A . .
3035	37.6	−34 25	7.5	7.38	3239,3240,3604	*05*,15,*09*
1498	37.7	−20 9	7.3	7.08	3955,3969	*05*,04
1406	37.8	+25 14	3.2	*3.18*		. . A
1627	37.8	− 4 2	7.0	6.65	3216,3238,3972	02,*07*,05
1371	37.9	+ 3 8	7.0	6.44	3231,3236,3979	*01*,*21*,21
1380	38.1	+ 5 57	7.0	7.20	3231,3236	*05*,06
1731	38.2	+39 29	7.0	*6.97*		A . .
4239	38.2	−28 8	7.5	6.90	3245,3247,3574,3592,3602,3604,3955,3969,3979,4338,4346	*25*,42,06,*14*,*01*,*04*,*45*,*06*,01,28,17
1004	38.3	+57 17	6.1	5.56	3607,3615,3615	05,08,*12*
1390	38.3	+13 20	5.1	*4.66*		. 05,*04*
1414	38.3	+ 4 2	6.4	*5.78*		07, . *06*
1327	38.5	+29 4	6.0	5.54	3632,4331,4345	21,*10*,*10*
1622	38.5	−13 36	7.3	6.97	3246,3248,3957	*14*,08,06
1349	38.6	+50 29	7.3	7.12	3258,3607	08,*08*
1595	38.6	+38 30	7.5	7.90	3632,3943	*02*,03
1549	38.6	+20 48	7.1	7.04	3262,3570	03,*03*
1505	38.6	−22 21	6.8	6.20	3245,3247,3955	*12*,14,*01*
234	38.7	+78 8	7.3	7.74	3256,3258	*19*,20

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1318	38.7	+30 57	7.0	7.13	3575,3632	*08*,08	1605	40.5	+38 39	7.3	7.30	3641,3943	*14*,14
2844	38.8	−38 18	6.5	6.14	2895,3228,3574	*02*,*06*,08	1537	40.5	−18 28	7.1	7.01	3246,3248	02,*02*
1456	38.9	+22 57	7.2	6.75	3262,3589,3944	*08*,*10*,17	1591	40.7	−16 35	1	R		. *04*,05
1552	39.0	+20 58	7.1	7.07	3262,3944,3995,	00,11,00,	3484	40.7	−30 58	5.7	5.29	3211,3218,3574,	*01*,06,*14*,
					3997	*10*						3602,3951,4295	*16*,13,10
1565	39.0	−21 45	7.4	7.26	3245,3247	02,*02*	1504	40.8	+36 46	7.3	8.02	3943,3944	07,*06*
3298	39.0	−32 36	7.3	6.76	3239,3240,3574	*08*,*03*,11	1421	40.8	− 0 36	7.6	6.69	3216,3970,3972	01,*05*,05
1600	39.1	+42 22	7.0	7.25	3258,3577	*05*,05	1538	40.8	−18 10	7.2	7.00	3246,3248,3957	*14*,01,13
1736	39.1	+39 5	7.0	7.20	3632,3943	*01*,00	3248	40.9	−27 14	6.8	6.43	3240,3245,3955	*03*,*11*,14
3331	39.2	−28 15	7.2	7.04	3240,3245	04,*04*	1273	41.0	+16 52	7.1	6.68	3235,3236,3994	00,00,00
3388	39.2	−29 8	7.1	7.12	3240,3245	04,*04*	1486	41.1	+ 8 42	6.0	*5.94*		. 08,*07*
1219	39.3	+27 47	7.2	6.76	3262,3589,3944	04,*05*,00	1551	41.1	− 7 14	7.3	6.89	3238,3251,3970	*11*,09,02
1595	39.5	+43 41	5.7	*5.30*		. . A	1473	41.2	+22 18	7.2	7.02	3262,3589	*05*,04
1396	39.7	+13 0	3.7	*3.45*		. . A	1611	41.2	−17 4	7.5	6.78	3246,3248,3957	08,*07*,*01*
3546	39.8	−25 26	7.1	6.78	3240,3245,3955	08,*18*,09	4325	41.2	−23 22	6.9	6.23	3245,3247,3955,	*18*,19,03,
1122	39.9	+55 49	6.0	5.56	3258,4331,4345	04,*02*,*03*						4348	*05*
3238	39.9	−27 29	7.3	7.36	3240,3245	*16*,16	1413	41.3	+31 48	7.3	7.99	3575,3632	*04*,04
1436	40.0	+48 53	5.5	*5.30*		. . A	1392	41.3	+17 13	7.5	7.43	3235,3236	*05*,05
1376	40.0	+ 9 53	7.5	6.69	3979,3988	13,*13*	1262	41.3	+10 50	7.5	7.40	3236,3241	06,*05*
2798	40.0	−39 5	6.6	6.13	2895,3239,3574	*11*,00,10	3495	41.3	−30 29	6.9	6.49	3218,3240,4338	*01*,03,*02*
1491	40.1	+23 29	7.3	6.51	3262,3589,3944	*04*,03,01	3634	41.3	−31 34	7.5	7.25	3239,3240,3574	*23*,03,19
1580	40.1	+ 0 4	7.8	6.91	3979,3994,3997,	07,*02*,*10*,	1573	41.4	−14 42	6.2	*5.36*		10, . *09*
					3999	06	1349	41.5	+18 18	6.5	6.16	3235,3236,3994	12,*08*,*03*
3029	40.2	−37 40	7.5	7.27	3223,3239,3574	00,02,*03*	1548	41.5	−20 45	7.8	7.50	3955,3969	10,*09*
1338	40.4	+18 57	6.9	6.83	3235,3236,4000	*05*,*15*,20	3640	41.6	−31 41	6.5	5.96	3239,3240,3574	04,*01*,*04*
1534	40.4	−18 57	7.3	7.16	3246,3248	*03*,03	1549	41.8	− 8 49	7.5	6.79	3238,3251,3970	*03*,*23*,26
454	40.5	+67 41	5.2	5.12	3211,3211,3213,	04,*06*,24,	3505	41.8	−30 51	6.3	5.69	3239,3240,3574,	*04*,01,*06*,
					3216,3217,3231,	*15*,04,*15*,						3951,4295	09,01
					3238,3239,3240,	*24*,*04*,*14*,	*1644*	41.9	−10 1	6.3	*5.54*		*03*, . 03
					3247,3248,3256,	*14*,06,*44*,	1579	41.9	−14 26	7.8	6.54	3246,3248,3957	*01*,*09*,11
					3258,3262,3267,	05,*04*,*15*,	1496	42.0	+ 8 9	5.3	*4.98*		. 07,*06*
					3269,3270,3271,	*04*,*15*,*15*,	1587	42.1	+37 37	7.1	7.72	3641,3943	*13*,13
					3272,3570,3574,	06,17,*09*,	1551	42.1	−19 46	6.5	6.82	3970,3972	08,*09*
					3575,3577,3602,	*07*,05,*21*,	3397	42.1	−28 43	7.5	7.27	3240,3245	*01*,01
					3604,3607,3610,	*01*,07,*17*,	1588	42.2	+37 5	7.5	7.88	3943,3944	07,*08*
					3611,3612,3615,	*03*,15,*28*,	1584	42.3	−14 20	6.2	5.29	3246,3248	*06*,06
					3627,3631,3633,	*15*,11,11,	3452	42.4	−29 28	7.2	6.91	3245,3247,3955	*06*,*05*,11
					3636,3640,3641,	*17*,*08*,02,	1723	42.5	+40 17	7.3	*8.12*		A . .
					3932,3937,3943,	26,20,26,	1192	42.6	+46 17	7.5	7.30	3258,3604	10,*10*
					3949,3951,3954,	19,*11*,*07*,	1397	42.6	+ 2 31	4.9	*4.68*		. *12*,11
					3956,3959,3963,	*06*,*02*,*20*,	1604	42.6	+ 0 27	7.6	6.96	3236,3602,3994	*03*,06,*02*
					3970,3975,3979,	00,05,*01*,	3095	42.6	−34 9	7.3	6.91	3223,3240,3592	02,*16*,14
					3984,3991,3994,	19,*29*,11,	1511	42.7	−15 58	7.5	7.54	3246,3251	05,*06*
					3999,4000,4001,	*30*,15,11,	2831	42.7	−39 26	6.7	6.42	2891,2895,3955	*12*,03,09
					4005,4271,4275,	15,04,34,	1558	42.8	− 8 54	5.1	5.41	3238,3251,3972	05,*05*,*01*
					4277,4286,4293,	38,05,07,	1576	42.8	−20 55	6.0	5.98	3245,3247,4338	*13*,*07*,20
					4295,4325,4327,	08,*24*,06,	3065	42.8	−37 41	6.5	6.09	3592	A
					4338,4347,4352,	27,14,02,	394	42.9	+69 0	5.2	*5.20*		. . A
					4358,4359,4360,	*17*,20,14,	1754	42.9	+39 35	7.3	*7.62*		A . .
					4366,4367	*18*,01	1236	42.9	+27 18	7.2	6.58	3262,3589,3944	02,*13*,12

6^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1592	43.0	+37 38	6.5	6.60	3641,3943,3944	*34*,18,17
1578	43.0	+20 40	7.5	7.45	3262,3589	02,*02*
1414	43.1	+32 43	5.8	5.88	3575,3632,3640	*06*,11,*05*
1610	43.1	+ 0 24	8.2	7.34	3241,3256	*11*,11
1729	43.2	+40 3	7.2	*8.22*		A . .
1617	43.2	+38 56	7.4	7.70	3641,3943	*16*,16
1484	43.2	+22 25	7.5	7.10	3262,3589,3633	*03*,*05*,08
1626	43.2	−17 24	7.0	6.94	3246,3251,3957	02,*18*,15
1393	43.3	+ 8 58	7.5	7.00	3231,3236,3979,	05,*04*,09,
					3994	*12*
1386	43.3	− 1 12	6.7	*5.66*		. . A
3534	43.4	−30 51	7.5	7.69	2891,3239,3592	13,*04*,*08*
1418	43.5	+31 39	7.5	8.05	3575,3632,3640	07,03,*11*
1567	43.5	− 7 39	7.0	6.73	3238,3251,3970	03,*07*,05
1495	43.6	+35 10	6.9	*7.07*		A . .
1446	43.6	+25 36	7.2	7.19	3262,3589	21,*21*
1536	43.7	+41 54	5.2	*5.07*		. . A
1531	43.9	+ 1 6	7.0	*6.06*		*02*, . 03
1634	43.9	−12 44	6.8	6.90	3246,3251,3957	16,*07*,*08*
1362	44.0	+18 6	7.5	7.58	3235,3236	00,00
3080	44.0	−37 50	5.3	5.20	3218,3223,3592,	21,*03*,*02*,
					3951,3955,3969	*02*,00,*14*
1732	44.1	+40 30	7.5	7.96	3641,3943	01,*01*
1298	44.1	+16 19	6.5	5.81	3241,4347,4352	*23*,05,17
1028	44.2	+59 34	6.0	*5.50*		. . A
3548	44.2	−30 20	7.5	8.10	2891,3218,3592	05,18,*22*
1197	44.3	+46 38	7.5	7.56	3258,3604	*06*,06
1776	44.3	− 2 10	6.1	5.64	3970,4338,4346	00,*05*,05
1599	44.4	−15 2	5.5	*5.26*		08, . *07*
4410	44.6	−23 6	7.3	7.48	3247,3248	*06*,05
3454	44.7	−28 7	7.4	7.30	3245,3247	*10*,10
1460	44.8	+25 52	7.2	6.91	3262,3589,3944	*01*,*04*,05
1434	44.8	+13 32	6.6	*5.90*		. *04*,03
1434	44.8	+ 5 47	7.5	6.66	3236,3241,3979	10,*31*,21
1578	44.8	− 7 18	7.2	7.18	3238,3251	00,00
1815	45.0	− 5 24	7.5	*7.30*		A . .
3665	45.0	−25 57	7.3	7.32	3245,3247	*04*,04
3514	45.0	−29 38	7.5	7.06	3245,3247	*01*,00
273	45.1	+75 19	7.5	*7.87*		A . .
3120	45.2	−34 50	6.5	6.81	3218,3223,3592	10,*03*,*08*
3475	45.4	−28 52	7.3	6.95	3245,3247,3955	03,03,*06*
266	45.5	+77 6	4.7	*4.88*		. . A
4438	45.5	−23 58	6.6	6.31	3248,4338,4346	01,*03*,03
3480	45.5	−28 33	7.4	7.40	3245,3247	*10*,10
1249	45.6	+51 37	7.5	6.95	3258,3607,3959	*05*,04,02
1405	45.6	+21 53	6.0	5.20	3262,4331,4345	*03*,10,*06*
1347	45.6	+15 12	7.3	*7.29*		A . .
1739	45.7	+40 3	7.3	*7.37*		A . .
1405	45.7	+ 5 58	7.5	6.98	3231,3236,3979	17,*12*,*05*
1462	45.7	− 0 25	6.7	*5.83*		00, . 00
1685	45.7	− 4 9	7.2	6.64	3238,3251,3970	*06*,*06*,12
1359	45.8	+44 58	7.0	*6.10*		07, . *07*
1469	45.8	+25 47	7.0	6.62	3262,3589,3944	*02*,*05*,06
1645	45.8	−17 11	7.3	6.54	3246,3251,3957	02,*08*,06
3403	45.8	−32 26	7.5	6.62	2891,3218,3592	13,15,*29*
1518	45.9	+23 44	6.5	5.77	3262,3589,3944	10,*03*,*06*
1592	45.9	− 7 56	6.8	*6.30*		. 06,*05*
1624	45.9	−16 58	6.0	*5.94*		. 00,01
1414	46.1	+ 9 34	7.7	7.02	3979,3994	*07*,08
3310	46.1	−27 13	7.0	*6.82*		. 11,*10*
3404	46.1	−32 23	4.0	3.78	3239,3943,3951,	*20*,15,*04*,
					4354	07
1771	46.2	+38 59	6.3	6.01	3943	A
1481	46.2	+34 5	3.2	*3.53*		. . A
1636	46.3	+38 34	6.2	*6.33*		. . A
1437	46.3	+ 2 46	7.0	7.13	3231,3236	10,*10*
1511	46.4	+35 54	6.5	*6.18*		04, . *03*
1437	46.4	+ 3 9	7.0	6.22	3231,3236,3979	*19*,01,19
1680	46.4	− 9 58	7.0	*7.36*		A . .
1448	46.5	+ 5 13	7.2	*6.76*		A . .
3691	46.5	−25 40	6.6	6.24	3238,3247,3955	*05*,02,02
3278	46.5	−33 47	7.7	7.26	2891,3218,3592	12,*07*,*05*
1603	46.6	−20 48	7.5	7.09	3247,3248,3955	*33*,08,24
3717	46.6	−31 36	6.3	5.69	3240,3241,3267,	*01*,01,*04*
					3972,3995	16,*14*
1479	46.7	+25 53	7.5	7.64	3262,3589	06,*07*
1798	46.7	− 2 17	7.0	6.88	3238,3251,3970	02,02,*05*
1775	46.7	− 6 51	7.3	6.62	3238,3251,3970	06,*04*,*02*
1578	46.8	−18 54	7.5	6.92	3246,3251,3957	11,*08*,*04*
2948	46.8	−38 57	7.5	7.27	3218,3223,3592,	25,00,*39*,
					3955,3969,3980,	04,01,12,
					3988	*02*
1367	46.9	+50 8	7.5	*7.17*		A . .
1801	46.9	− 2 3	7.7	6.88	3238,3251,3256,	*08*,*18*,*05*,
					4355,4355,4357,	14,06,01,
					4357,4360,4360	*12*,*06*,29
3721	46.9	−31 10	7.5	7.20	2891,3218,3955	00,02,*02*
1774	47.0	+39 17	7.3	7.68	3641,3943	11,*10*
1482	47.0	+25 25	7.5	*7.36*		A . .
1568	47.1	+49 1	7.0	6.87	3258,3604,3959	23,*22*,00
1638	47.1	+38 38	6.3	*6.32*		. . A
1549	47.2	+41 1	7.4	7.92	3258,3604	08,*08*
3140	47.2	−34 15	5.5	5.21	3241,3943,3951,	15,*12*,*04*,
					3959	B
1839	47.3	− 5 31	7.2	*7.15*		A . .
1543	47.4	+ 8 30	6.2	5.79	3241,3994,4347	*14*,05,08
1844	47.4	− 5 3	6.9	6.69	3970,3972	08,*08*
1845	47.4	− 5 12	6.3	6.36	3970,3972	00,00
1615	47.6	+43 4	7.5	7.27	3258,3604	03,*03*
1433	47.6	+32 38	7.0	6.89	3575,3632,3640	*15*,17,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1344	47.8	+11 7	6.8	*6.30*		. A .
1202	47.9	+45 57	6.8	6.48	3258,3604,3959	*08*,00,09
1551	48.1	+44 2	6.5	6.19	3604,3607,4331	*09*,09,*01*
3189	48.2	−36 7	6.2	5.90	3217,3241,3943, 3959,3969	03,11,*01*, B,*12*
1387	48.3	+26 40	7.5	7.58	3262,3589	12,*12*
1673	48.3	−12 2	7.5	7.04	3246,3251	12,*11*
1638	48.3	−16 6	7.3	6.99	3246,3251,3957	*10*,*01*,10
1426	48.4	+21 17	7.3	6.60	3262,3589,3944	*13*,*05*,18
3304	48.4	−33 48	7.3	7.19	2891,3218,3592	*01*,10,*08*
672	48.6	+63 9	7.5	7.48	3256,3258	00,*01*
982	48.6	+58 33	5.0	*4.55*		. . A
1753	48.6	+40 41	7.5	8.24	3575,3640	09,*10*
3730	48.6	−26 0	7.4	7.12	3245,3247	16,*16*
1017	48.7	+57 41	6.3	6.13	3258,3604,3959	17,*21*,03
1451	48.7	+24 23	6.8	6.73	3944,3995	10,*10*
1427	48.7	+ 6 49	7.6	7.20	3231,3236	05,*04*
1641	48.8	+38 2	6.6	6.67	3640,3641,3943	03,06,*10*
1428	48.8	+ 6 49	8.2	7.34	3231,3236,3633	*29*,22,08
1326	48.9	+15 58	7.1	6.56	3235,3236,3994	02,02,*04*
1428	49.0	+21 41	7.4	6.81	3262,3589,3944	06,*18*,11
1462	49.0	+13 18	5.3	*4.61*		. . A
1711	49.0	− 9 23	7.2	6.93	3238,3251,3970	03,*07*,03
1591	49.0	−18 55	6.0	5.72	3230,3979,4338	00,*01*,01
1594	49.0	−18 48	6.8	6.21	3230,3246,3957	11,*08*,*02*
3529	49.0	−26 50	7.0	6.49	3245,3247,3267, 3269,3270,4355, 4355,4357,4357, 4360,4360	*14*,25,21, 11,*17*,*04*, 04,*18*,*06*, *02*,*03*
1203	49.1	+46 25	6.3	5.93	3604,3959,4331	*07*,11,*05*
1015	49.2	+60 55	7.5	7.62	3258,3604	05,*05*
1496	49.2	+25 30	6.2	5.67	3262,3271,3944	03,*07*,05
1863	49.2	− 5 44	6.4	6.30	3970,3972,3979	11,01,*13*
1616	49.2	−20 6	5.4	*4.68*		04, . *03*
4553	49.2	−24 34	6.9	7.49	3245,3247	01,*01*
1757	49.3	+40 41	7.0	7.56	3575,3640	10,*10*
1432	49.3	+ 6 51	7.9	7.08	3602,3615	*03*,02
1487	49.4	− 1 0	6.4	5.42	3970,4338,4346	*20*,05,14
1205	49.5	+46 49	6.5	6.03	3258,3604,4331	17,*27*,10
1457	49.5	+24 8	7.5	7.67	3262,3271	00,00
1721	49.5	− 9 29	7.5	7.81	3238,3251	05,*05*
1681	49.5	−11 55	4.0	4.27	3251,4338,4346	*14*,*16*,31
4563	49.6	−24 7	7.5	7.31	3245,3247	01,*01*
3554	49.6	−28 24	6.5	6.03	3245,3247,3955	*23*,07,17
1270	49.7	+27 25	7.5	6.97	3271,3589,3944	*07*,04,08
1446	49.7	− 1 38	6.7	6.25	3238,3251,3970	*15*,15,01
4565	49.8	−24 25	6.6	6.20	3245,3247,3955	02,*10*,09
4567	49.9	−24 4	3.9	4.11	3247,4338	19,*19*
430	50.0	+70 57	6.0	5.85	3256,4331,4346	*07*,12,*04*
1827	50.0	− 2 41	6.3	6.00	3238,3251,3970	00,00,00
4553	50.0	−23 48	7.5	*6.64*		. 06,*07*
466	50.1	+67 27	7.0	6.54	3256,3258,3954	*06*,13,*08*
1502	50.2	+25 8	7.5	*7.61*		A . .
1562	50.2	+ 8 27	6.8	*6.14*		. 00,01
1637	50.3	−14 44	7.5	*7.36*		A . .
1457	50.4	+48 38	7.8	7.85	3262,3267,3269, 4355,4355,4357, 4357,4360,4360	*05*,25,*25*, *02*,06,*12*, *13*,08,17
1367	50.4	+45 14	6.0	4.78	3270,3577,4331	*18*,29,*12*
1447	50.4	+17 53	7.0	6.86	3235,3236,3994	02,*18*,16
1433	50.5	+33 50	6.3	6.01	3575,3640,3944	*04*,*18*,22
3781	50.5	−31 41	6.9	6.74	2891,3218,3592	*06*,16,*09*
3219	50.5	−36 26	7.5	7.59	3223,3239,3592	05,04,*08*
1620	50.6	+37 32	6.9	6.68	3640,3641,3944	27,*05*,*22*
3182	50.6	−34 6	7.3	7.08	3223,3239,3592	*05*,11,*07*
1557	50.7	+40 58	7.0	7.75	3258,3270	15,*15*
1624	50.7	−20 17	6.8	*5.68*		00, . 01
280	50.8	+75 33	7.0	*7.27*		A . .
281	50.8	+75 23	6.8	6.78	3954,3959	12,*12*
398	50.8	+69 47	6.8	6.68	3954,3959	*11*,09
1568	50.8	+ 8 52	7.5	7.09	3231,3236,3979	*14*,*03*,18
1558	50.9	+41 51	6.6	6.87	3258,3270,3959	03,03,*05*
1470	50.9	+24 47	7.0	*6.96*		10,*10*, .
1335	50.9	+10 5	6.1	*5.96*		*04*, . 03
1509	51.0	+25 5	7.5	*7.59*		A . .
3670	51.0	−31 1	7.5	8.01	2891,3239,3592	11,*06*,*05*
3476	51.0	−32 40	7.5	7.81	3223,3239,3592	03,*03*,00
1610	51.3	−20 1	5.1	*4.70*		*02*, . 02
1655	51.3	−21 54	7.2	6.81	3247,3248,3955	*07*,04,04
3591	51.3	−28 55	7.1	6.96	3245,3247,3955	*08*,02,05
1741	51.5	−13 55	5.0	*5.21*		. . A
1602	51.6	−22 49	6.0	5.27	3248,4338,4346	06,*02*,*05*
1661	51.7	−16 55	6.0	*4.32*		. . A
3014	51.7	−38 26	7.1	7.43	2892,3213,3217, 3223,3239,3592	03,*13*,*01*, 13,*03*
1152	51.8	+52 41	6.8	6.74	3258,3577,3959	*04*,10,*06*
1361	51.8	+12 2	7.0	*6.16*		. 04,*04*
1632	51.8	− 8 12	7.0	6.88	3238,3251,3970	08,*12*,03
3804	51.8	−25 23	7.2	7.29	3245,3247	*19*,19
400	51.9	+69 21	7.5	*7.50*		. . A
1799	51.9	+39 40	7.3	*7.52*		A . .
1423	51.9	+18 2	7.1	7.13	3235,3236	*15*,15
3349	51.9	−33 41	7.4	7.14	2892,3239,3592	*04*,07,*03*
360	52.1	+73 34	7.5	7.50	3256,3258	*05*,04
1460	52.1	+48 45	7.5	7.45	3258,3270	05,*05*
3808	52.1	−31 40	6.7	6.33	2891,3218,3592	*05*,17,*11*
553	52.2	+65 54	7.5	7.62	3256,3258	*04*,05
1629	52.2	+42 26	6.5	6.53	3258,3270,3959	07,*15*,07
1531	52.2	+22 37	7.3	6.88	3271,3587,3944	09,01,*10*
1642	52.2	− 8 3	6.4	6.44	3238,3251,3970	*08*,12,*05*

6^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3021	52.2	−38 32	8.0	7.57	2891,2892,2895	*12*,09,08
1656	52.3	+38 12	6.5	6.04	3615,4331,4345	08,*02*,*06*
1774	52.4	−10 41	7.2	6.97	3230,3246,3957	*05*,*01*,05
678	52.5	+63 49	7.3	6.71	3256,3258,3954	*13*,16,*03*
3813	52.5	−25 47	7.6	7.82	3245,3247	06,*06*
1405	52.6	+26 13	6.2	6.22	3271,3944,4331	*02*,*02*,04
1559	52.6	+19 22	7.4	7.43	3235,3236	05,*05*
1671	52.6	−16 58	7.5	7.06	3230,3246	09,*10*
1628	52.7	+37 14	7.5	7.30	3615,3640	00,*01*
1622	52.7	−19 18	7.0	6.75	3230,3246,3957	*23*,08,14
4635	52.7	−24 50	8.2	8.04	3245,3247	06,*06*
3028	52.9	−38 29	8.0	7.44	2891,2892,3592	01,12,*12*
1616	53.0	−22 4	7.1	6.37	3245,3247,4338,4338,4355,4357,4357	*09*,17,*24*,*22*,10,12,18
1155	53.1	+53 59	7.0	6.82	3959,3963	08,*08*
3225	53.2	−35 13	6.7	6.29	3592,4338,4346	*05*,*12*,16
1411	53.3	+26 3	6.5	*6.29*		. A .
1539	53.3	+ 7 45	7.0	*6.10*		. *05*,05
1786	53.3	−10 39	7.3	6.78	3230,3246,3957	04,*22*,18
1787	53.4	−10 11	6.5	6.76	3957,3970	02,*02*
4648	53.4	−24 30	5.9	5.46	3247,4338,4346	04,*04*,01
51	53.7	+87 12	5.0	*5.23*		04, . *04*
1770	53.7	+40 30	7.3	7.67	3615,3640	00,00
1488	53.7	+ 3 45	6.9	6.02	3231,3236,3979	11,*19*,08
3460	53.7	−27 24	6.6	6.09	3245,3247,3955	*07*,03,05
3233	53.7	−35 23	6.5	6.19	3217,3218,3241,3245,3592	*29*,27,*13*,23,*08*
3252	53.7	−36 45	7.3	7.43	3218,3223,3592	19,*05*,*15*
928	53.8	+61 27	7.5	7.72	3256,3258	*04*,05
1387	53.8	+30 26	7.5	*7.76*		A . .
1425	53.8	+29 55	7.5	*7.36*		A . .
1859	53.8	− 7 2	7.5	7.08	3238,3251	00,00
1581	53.9	−15 55	7.5	7.04	3230,3246	*06*,05
1544	54.0	+ 7 27	7.0	*6.34*		. *19*,18
3288	54.0	−35 20	7.7	7.28	2891,2892,3592	*16*,10,07
1352	54.1	+16 5	7.4	*7.01*		. . A
3646	54.1	−27 2	9.6	6.19	3245,3247,3955	*14*,*05*,18
3743	54.3	−30 37	7.3	7.13	2891,3218,3592	*11*,12,*01*
1270	54.4	+51 43	7.5	7.50	3577,3607	*01*,02
4678	54.4	−23 45	7.5	6.58	3245,3247,3955	*06*,12,*07*
1094	54.5	+53 31	7.4	7.42	3577,3607	*11*,12
1354	54.5	+16 13	6.0	*5.84*		. . A
3864	54.5	−25 17	6.0	5.46	3245,4338,4346,4348	*06*,*11*,11,04
432	54.6	+70 54	6.5	6.83	3258,4331,4346	*06*,*06*,12
1412	54.6	+15 41	7.5	6.69	3235,3236,3994	*01*,09,*08*
1296	54.7	+27 18	7.3	7.19	3271,3615	11,*11*
1416	54.7	+15 26	6.9	*6.76*		A . .
3666	54.7	−28 50	1.8	*1.68*		. 04,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3389	54.7	−33 59	5.4	4.86	3211,3217,3241,3604,3943,3959	*18*,*07*,12,24,*09*, R
1460	54.8	+32 32	6.8	6.46	3575,3615,3944	*06*,05,00
1100	54.9	+54 11	7.5	7.82	3577,3607	25,*25*
3757	54.9	−30 52	6.7	6.35	2891,3218,3574,3592,3602,3604,3955,3969,3979	*33*,40,*06*,00,12,01,*08*,*09*,02
1101	55.0	+54 19	7.8	7.54	3577,4355,4355,4357,4357,4360,4360	*16*,04,04,*12*,*06*,10,15
1430	55.0	+29 22	7.5	7.70	3271,3589	10,*10*
1454	55.2	+33 50	7.5	7.34	3575,3615	00,00
1502	55.2	+ 2 4	7.8	6.60	3231,3235,3979	*07*,03,05
3545	55.2	−32 35	7.3	6.91	2891,3239,3574	14,*13*,*01*
1910	55.4	− 5 14	6.5	6.34	3970,3972	*17*,17
1912	55.4	− 5 40	7.3	6.97	3238,3251,3970	*09*,*09*,18
1689	55.4	−21 28	6.7	6.25	3245,3247,3955	03,*01*,*02*
1370	55.5	+10 47	7.2	6.98	3994,3995	16,*17*
1408	55.6	+11 55	7.0	6.76	3235,3236,3994	09,00,*08*
1662	55.6	− 8 16	6.1	5.76	3238,3970,4338	*10*,07,04
1644	55.8	−20 1	6.7	*6.10*		*02*, . 03
3689	55.8	−28 16	7.3	6.92	3245,3247,3955	*02*,*02*,03
1451	55.9	+18 8	7.5	7.33	3235,3236	*15*,15
1667	55.9	− 9 4	6.8	6.36	3238,3251,3972	*10*,*10*,21
1645	55.9	−19 40	7.2	6.90	3957,3970	*11*,12
1542	56.0	+25 35	7.0	6.89	3271,3589,3944	21,*14*,*07*
3402	56.0	−38 20	6.9	6.51	2891,3218,3574	*01*,11,*09*
1599	56.1	−15 16	7.2	*7.20*		A . .
1695	56.1	−21 59	6.7	6.33	3247,3248,3955	*09*,02,06
3749	56.2	−29 56	7.4	7.33	3245,3247	*11*,11
1545	56.3	+25 30	7.5	7.41	3271,3589	09,*09*
1558	56.3	+22 15	7.0	7.28	3271,3589	*01*,01
1513	56.3	+ 4 58	7.0	6.44	3979,3994	14,*15*
1670	56.3	−20 30	7.5	6.61	3955,3969	16,*16*
1386	56.4	+47 25	7.3	7.62	3270,3577	*12*,11
1502	56.4	+24 21	5.8	5.22	3944,4331,4345	06,12,*17*
3775	56.4	−31 0	6.9	6.54	3218,3239,3574	21,*19*,*01*
1649	56.5	−19 18	7.2	6.93	3230,3246,3957	*11*,00,10
1388	56.6	+47 13	7.0	7.04	3270,3577	*04*,04
1479	56.6	+17 53	6.0	6.21	3235,3236,4347	07,*13*,07
1431	56.6	+15 28	6.0	*5.84*		. . A
1514	56.6	+ 5 42	7.0	6.46	3231,3235,3979	*21*,09,12
4720	56.7	−24 20	7.5	7.49	3247,3248,3251	*09*,*07*,15
3906	56.7	−25 30	7.5	7.27	3245,3247	01,*01*
1383	56.8	+45 14	7.5	*7.62*		A . .
1363	56.8	+16 49	6.5	*6.01*		. . A
1509	56.8	− 1 12	7.2	6.18	3238,3251,3970	*08*,12,*05*
3711	56.8	−28 21	7.1	6.38	3238,3247,3955	*06*,02,04
1783	57.0	+40 44	7.0	7.01	3589,3615	00,00
1926	57.0	− 5 35	5.0	5.61	3972,4338,4346	*02*,*19*,21

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3911	57.0	−25 4	6.0	*5.74*		. 01,*01*
1694	57.1	− 3 37	7.0	6.79	3238,3251,3970	01,01,*03*
1818	57.1	−10 45	7.0	6.77	3230,3246,3957	*15*,*11*,27
3913	57.1	−25 48	7.3	6.75	3247,3248,3955	*19*,13,07
3415	57.1	−33 20	6.9	6.63	2891,3218,3574	*13*,19,*05*
1026	57.2	+59 57	7.0	6.63	3959,3963	*03*,03
1516	57.2	+34 2	7.5	7.46	3575,3589	*04*,04
1441	57.2	+29 31	6.3	5.86	3272,3589,4331, 4345	14,02,13, *27*
1927	57.2	− 5 53	7.3	7.03	3238,3251	05,*05*
1747	57.2	−11 9	7.2	6.57	3230,3246,3957	*15*,09,06
1555	57.3	+36 27	7.0	6.70	3589,3615,3944	11,08,*13*
347	57.4	+72 7	6.8	7.12	3216,3256,3954	03,*27*,24
4763	57.4	−23 21	7.6	7.08	3247,3248	*06*,05
3794	57.4	−30 31	7.5	7.32	2891,3218,3574	00,03,*04*
3540	57.5	−27 5	7.5	6.66	3245,3247,3256	*11*,18,*08*
1645	57.6	+37 44	7.0	6.63	3589,3615,3640	*09*,*09*,18
1591	57.6	+19 21	7.3	7.73	3235,3236	05,*05*
1589	57.6	+14 29	7.5	*7.02*		A . .
1165	57.7	+52 53	6.7	6.19	3258,3577,3959	01,02,*04*
1391	57.7	+47 54	6.8	6.36	3270,3577,3959	*06*,06,00
3544	57.7	−27 47	3.6	3.90	3247,4338,4346, 4348,4352	*18*,00,01, 02,15
240	57.8	+78 56	6.7	6.91	3216,3256,3954	*06*,04,01
1496	57.9	+ 9 17	6.5	5.66	3231,3236,4347	*11*,00,11
1788	57.9	− 4 6	5.0	*4.94*		02, . *03*
1428	58.1	+11 6	5.0	5.20	3213,4347,4352	*05*,*02*,07
1406	58.2	+12 44	6.5	6.17	3213,3235,3994	*02*,18,*16*
3282	58.2	−35 24	6.8	6.53	2892,2895,3574, 4338,4338	*18*,*01*,*08*, 05,23
1464	58.3	+18 49	7.1	7.02	3213,3235	*15*,16
1580	58.3	+ 2 35	7.5	7.03	3231,3235	*10*,10
1723	58.3	−16 33	7.2	6.90	3230,3246,3957	*12*,*01*,13
1418	58.6	+30 30	7.3	7.24	3575,3589	*03*,03
1444	58.7	+15 23	7.5	*7.14*		A . .
4761	58.7	−24 26	7.4	6.96	3247,3248,3955	04,*04*,*01*
4797	58.8	−23 41	3.4	*3.14*		. *07*,08
1663	59.1	+ 1 39	8.8	7.40	3231,3235,3262, 3267,3269,3979, 3994,3995,4355, 4355,4357,4357, 4360,4360	*57*,13,12, *07*,02,*03*, *01*,*13*,16, 04,*02*,04, *07*,39
1665	59.1	+ 1 38	6.8	6.46	3231,3235,3267, 3269,4355,4355, 4360,4360	*03*,*03*,*13*, *14*,02,07, 17,03
1943	59.1	− 5 10	5.8	*5.88*		10, . *10*
1563	59.2	+36 43	7.4	6.96	3589,3615,3944	*12*,00,12
1818	59.2	− 9 58	6.3	6.42	3957,3970	11,*10*
1625	59.2	−15 29	4.3	*4.06*		*08*, . 09
1590	59.3	+49 37	7.5	*7.72*		A . .
1566	59.3	+22 47	7.1	*5.94*		. 04,*03*
1761	59.3	−12 57	7.3	7.22	3230,3246	*12*,11
1487	59.4	+31 34	6.7	6.76	3269,3575,4331	*06*,*03*,10
1524	59.6	+34 38	6.0	*5.53*		. . A
4785	59.6	−24 56	7.2	6.82	3240,3247,3955	*16*,16,00
1848	59.7	−10 18	7.3	7.06	3957,3970	06,*07*
1726	59.8	− 8 18	7.0	7.41	3238,3241	*15*,15
3451	59.8	−33 26	7.5	7.97	3955,3969,3988,	15,*15*,00
1558	59.9	+14 37	6.9	6.92	3994,3995	*04*,04
1727	59.9	−21 8	7.5	7.32	3247,3248	*06*,05
3856	59.9	−30 26	8.0	8.21	2891,3218,3239, 3592,3602,3604	*06*,17,*04*, 02,*02*,*09*
1571	0.1	+25 1	7.0	*7.16*		A . .
1510	0.2	+ 9 18	6.6	6.06	3217,3949,3956, 3994	*03*,*07*,*04*, 16
3044	0.2	−39 49	7.5	7.75	3221,3223,3955	04,*12*,07
1461	0.3	+15 20	7.0	7.14	3949,3956	04,*03*
3306	0.3	−34 7	7.5	7.86	3218,3221,3602, 3604,3607	*20*,30,08, *02*,*16*
1492	0.5	+17 54	7.1	7.12	3213,3217	*05*,04
1706	0.5	−20 41	7.3	7.20	3240,3247	05,*04*
3870	0.5	−30 38	7.5	7.64	3239,4346,4352	R,*12*,12
350	0.6	+72 49	7.5	7.50	3216,3256	15,*15*
1731	0.6	− 7 59	7.2	7.16	3238,3241	10,*10*
1732	0.6	−21 53	6.8	6.41	3994,4338,4352	*18*,30,*12*
938	0.7	+60 57	7.0	*6.73*		. A .
1677	0.8	−20 4	7.5	7.20	3988,3994	00,01
1738	0.8	−21 18	7.3	6.82	3240,3247,3988	01,*08*,08
1584	0.9	+44 11	7.0	6.95	3270,3577,3954	*15*,04,11
1580	0.9	+34 9	6.0	*6.14*		. 11,*11*
3998	0.9	−31 47	7.5	7.08	2891,3218,3602, 3604,3607	*30*,22,08, *03*,05
R	0.9	−42 11	. .	5.28	3245,3267,3270, 3271,3272,3574, 3602,3627,3943,	22, R,06, 14,*30*,*13*, R,11,*13*
R	0.9	−43 28	. .	5.38	3245,3267,3270, 3271,3272,3574, 3602,3604,3948	04,14,15, 15,*15*,10, 00,*21*,*21*
1314	1.1	+28 21	6.8	6.23	3272,3589,4000	07,*16*,10
1862	1.1	−10 30	7.0	6.40	3957,3970	03,*02*
1777	1.1	−12 40	7.3	7.20	3230,3246,3256, 4352,4352,4354, 4354,4355,4355	*38*,*14*,*03*, 09,10,*01*, *09*,26,21
1531	1.2	+24 19	7.1	*6.90*		. 13,*13*
3478	1.6	−33 59	7.3	7.44	2891,3218,3592, 3607	04,05,*08*, *01*
1533	1.7	+33 58	6.6	6.44	3969,4331	01,*02*
3334	1.7	−35 47	7.3	7.09	3592,4346,4348, 4348,4360,4360	07,*08*,22, *08*,*14*,*01*
1587	1.8	+44 25	7.5	7.44	3270,3577	*04*,05

7^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1660	1.8	+37 36	6.5	6.32	3269,3272,3969	*22*,08,18
1543	1.8	+ 5 4	6.5	5.98	3956,4347,4352	10,00,*11*
3327	1.9	−34 37	6.6	6.21	2891,3218,3592	12,13,*26*
1790	2.0	−11 8	5.8	5.38	3970,3999,4349, 4352	16,02,*13*, *03*
1788	2.0	−12 14	6.9	6.40	3230,3246,3957	*08*,06,02
3149	2.0	−38 5	7.8	7.32	2891,2892,3592	28,*10*,*19*
3907	2.2	−30 30	6.8	6.31	2891,3218,3592, 3955,4338,4348	24,17,*21*, *06*,*06*,*07*
1586	2.3	+34 6	7.0	*6.67*		. . A
352	2.4	+71 59	6.4	6.46	3216,3256,4327	*11*,*01*,11
1693	2.4	+38 46	7.5	7.80	3269,3272	*10*,10
1607	2.4	+ 7 38	5.9	5.91	3231,3956,4347	*16*,16,00
1053	2.5	+59 13	7.3	7.58	3258,3607	02,*01*
1034	2.6	+60 23	7.5	*7.31*		A . .
1396	2.6	+16 18	7.5	7.02	3213,3217	05,*06*
1397	2.6	+16 5	5.8	5.73	3213,3217,3956	*06*,*17*,28
1854	2.6	− 9 50	7.3	6.84	3970,3995	*04*,04
3163	2.6	−38 14	6.5	6.00	2891,2892,3592	07,09,*16*
1571	2.7	+36 45	6.8	6.56	3269,3272,3969	04,*16*,18
4868	2.7	−24 48	6.7	6.20	3239,3240,3988	*07*,06,01
1505	2.9	+17 50	7.3	7.56	3213,3217	01,00
3880	2.9	−26 30	7.2	6.38	3239,3240,3988	01,*06*,05
3318	2.9	−37 33	7.9	7.25	2891,2892,3602, 3604	02,*04*,08, *02*
1431	3.0	+30 19	7.5	*7.41*		A . .
1467	3.0	+11 5	7.5	*7.05*		. 08,*08*
1623	3.2	+19 43	7.4	*7.30*		A . .
4908	3.2	−23 41	6.3	5.75	3248,3251,3988	07,*01*,*06*
1174	3.3	+55 47	7.2	7.29	3258,3607,3954, 3959,3963	01, R,02, *09*,06
1657	3.3	−15 33	7.5	*7.25*		A . .
3912	3.3	−29 23	7.5	7.42	3239,3240	*03*,02
1399	3.5	+50 4	7.5	*7.92*		A . .
1594	3.5	+25 54	7.0	7.01	3272,3589	*11*,11
1394	3.6	+45 25	7.5	*7.77*		A . .
366	3.8	+73 29	7.5	7.70	3216,3256	*05*,05
2930	3.8	−40 44	6.2	5.77	3574,3627,4354	*04*,*01*,06
1809	3.9	−12 43	7.5	7.00	3230,3246,3957	*18*,06,12
1740	4.0	−20 42	7.0	6.87	3213,3994,3995	01,05,*05*
1491	4.2	+32 47	7.0	7.20	3269,3272	00,00
1528	4.2	+21 25	7.0	*6.46*		. 12,*12*
1572	4.2	+13 18	7.5	7.22	3213,3217	*05*,04
3361	4.2	−35 39	7.5	7.50	3221,3228,3604	*04*,02,02
1401	4.3	+49 57	7.0	6.96	3954,3959	13,*13*
1492	4.3	+32 23	7.3	7.65	3269,3272	05,*05*
3916	4.3	−26 14	2.1	*2.15*		. *01*,01
1539	4.4	+ 9 28	7.4	6.88	3949,3956	*04*,04
4074	4.4	−31 16	7.3	6.98	2891,3592,3602, 3604	32,*10*,*01*, *20*
1618	4.5	+ 7 53	7.0	6.78	3217,3231,3949	05,*13*,09
1762	4.6	− 8 7	7.2	7.36	3238,3241	00,00
1892	4.6	−10 11	6.8	6.13	3957,3999	*05*,05
4949	4.6	−23 53	7.0	6.47	3248,3251,3988	05,07,*13*
3903	4.6	−28 27	7.3	7.41	3239,3240	13,*13*
1598	4.8	+44 0	6.7	6.98	3954,3959	03,*03*
1882	4.8	+39 29	5.4	*4.97*		. . A
1486	4.8	+33 17	7.3	7.14	3269,3589	06,*06*
1439	4.8	+30 25	4.7	4.35	3269,4331,4345	*25*,18,07
1671	5.0	−15 5	7.2	7.04	3988,4349	03,*04*
1802	5.0	−16 4	6.0	6.12	3957,4349,4352	*12*,*24*,35
1119	5.1	+54 38	6.8	7.04	3954,3959	18,*18*
1327	5.2	+27 2	5.7	5.63	3272,4331,4345	07,05,*13*
1840	5.2	− 4 5	5.5	5.07	3241,3349,3352	11,*13*,02
1705	5.2	−18 57	7.5	7.68	3230,3246	04,*05*
1481	5.3	+26 34	7.0	6.75	3272,3589,4000	15,*04*,*11*
1676	5.3	−16 4	7.0	6.70	3230,3246,4001, 4005	08,*21*,05, 09
3706	5.3	−32 44	7.5	7.60	3221,3592,3955	14,*12*,*02*
1550	5.4	+ 9 33	8.0	*7.49*		. A .
1851	5.4	−13 28	7.0	7.26	3230,3246	*16*,17
3105	5.5	−39 29	5.3	4.80	3218,3231,3236, 3270	14,10,11, *33*
1295	5.6	+51 36	6.0	5.75	3258,3577,3612, 3614,3959	*05*,00,08, *08*,05
1494	5.6	+15 30	7.3	7.26	3213,3217	*09*,10
1681	5.6	−15 31	7.7	7.06	3957,3999	10,*11*
4120	5.6	−25 4	6.3	5.59	3239,3240,3988	*06*,*03*,10
230	5.7	+80 48	7.4	*7.30*		A . .
3697	5.7	−27 43	8.0	7.43	3239,3240	03,*03*
1411	5.8	+47 48	6.8	6.62	3270,3607,3959, 4327,4331,4345	*12*, R,11, 10,*12*,03
1711	5.8	−18 31	6.8	6.18	3230,3246,3957	04,05,*09*
1714	5.8	−19 2	7.4	7.28	3230,3246	*16*,15
1780	5.9	− 3 45	8.8	8.16	3241,3251,4005, 4005,4355,4355, 4357,4357,4360, 4360,4363,4363, 4366,4366,4374, 4374	*06*,*06*,11, 05,49,46, 16,*05*,*10*, 10,*44*,*25*, 12,*47*,*19*, 08
3375	5.9	−35 49	7.3	7.24	3218,3218,3221, 3602,3604	09,29,*01*, *09*,*29*
1518	6.0	+17 9	7.0	6.74	3213,3217,3949	*07*,02,04
1584	6.0	+ 3 21	7.0	6.79	3217,3231,3949	10,*16*,05
1781	6.0	− 3 44	7.2	6.62	3238,3241,3999, 4001,4005	08,*22*,*05*, 18,00
1887	6.0	− 9 10	7.2	7.01	3238,3241	*05*,05
1418	6.1	+47 27	7.2	7.08	3270,3607,3959, 3963,3969	02, R,01, 10,*15*
3939	6.1	−28 35	7.5	6.95	3239,3240,3988	*03*,01,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1558	6.3	+24 17	6.0	5.79	3262,4331,4345	*02*,11,*09*
1634	6.3	− 0 8	6.4	*5.37*		01,14,*14*
3710	6.3	−27 19	6.3	*5.62*		. *02*,03
242	6.4	+81 26	6.3	*6.20*		00, . *01*
562	6.4	+64 57	7.0	*7.25*		A . .
1779	6.4	− 8 58	7.4	7.51	3238,3241	*05*,05
1577	6.5	+ 5 50	6.0	*6.05*		. . A
1500	6.6	+32 8	6.8	6.66	3269,3589,3969	*06*,02,03
1337	6.6	+27 26	6.8	6.44	3262,3272,4000	06,*04*,*02*
1908	6.6	−10 16	7.5	*7.16*		A . .
1830	6.6	−11 52	7.5	7.24	3230,3246	08,*08*
1609	6.7	+25 55	7.2	*6.89*		. A .
4030	6.7	−30 29	7.3	7.34	2891,3221,3592	01,04,*04*
1038	6.8	+59 56	7.3	*7.31*		A . .
1580	6.8	+ 5 39	6.5	*6.22*		04, . *04*
1636	6.8	− 0 20	4.2	*4.17*		. . A
1053	6.9	+57 29	7.5	7.90	3258,3612	*10*,09
1184	6.9	+52 43	7.0	7.16	3612,3614	03,*02*
1828	6.9	−17 10	7.0	6.67	3230,3246,3957	08,*01*,*08*
1502	7.0	+32 18	7.0	7.22	3269,3589	*12*,12
3364	7.0	−37 3	7.5	7.72	3218,3221,3602, 3604,3607,3955	27,*23*,*06*, 03,05,*03*
1504	7.1	+15 21	7.5	*7.39*		A . .
1791	7.1	−21 38	7.1	6.73	3248,3251,4338, 4346,4348	*08*,*04*,32, *06*,*16*
1065	7.2	+59 49	5.0	5.36	3213,3216,3221, 3231,3235,3236, 3238,3241,3248, 3249,3251,3262, 3267,3269,3271, 3272,3274,3276, 3281,3575,3577, 3589,3611,3612, 3614,3615,3631, 3636,3640,3641, 3643,3646,3943, 3944,3949,3950, 3951,3954,3955, 3956,3963,3969, 3972,3979,3980, 3984,3991,3995, 3997,3999,4000, 4001,4012,4289, 4293,4295,4297, 4306,4308,4325, 4346,4347,4348, 4352,4354,4355, 4357,4359,4363, 4367,4374	14,14,*06*, *06*,*16*,*16*, 24,04,*06*, 04,*26*,04, 04,04,14, *06*,*06*,14, *16*,11,07, *06*,*08*,09, 01,04,*02*, 12,*15*,*14*, *10*,10,*08*, 04,08, R, *05*,*05*,04, 04,05,07, 04,*02*,11, *10*,09,*07*, *03*,*13*,03, 13,*05*,25, *05*,00,23, *23*,*02*,*41*, *10*,05,*09*, 11,06,*11*, 03,08,25, *08*,09
1767	7.4	−20 43	6.2	*5.78*		06, . *07*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3735	7.4	−27 34	7.7	7.12	3239,3240,3988	04,*12*,09
1578	7.5	+35 44	7.5	7.72	3269,3589	08,*09*
1417	7.6	+16 20	5.5	*5.25*		. . A
246	7.7	+78 6	7.0	7.55	3216,3256	20,*20*
1303	7.7	+51 37	7.5	7.28	3612,3614	07,*06*
1600	7.7	+13 56	6.5	6.82	3949,3956	05,*04*
3233	7.9	−38 56	7.1	6.80	2892,2895,3218	*10*,05,05
4191	8.1	−25 46	6.5	5.80	3247,4338,4346, 4348	16,*17*,*04*, 03
3749	8.1	−27 10	7.3	6.68	3239,3240,3988	*12*,02,09
1646	8.2	− 0 5	8.0	6.70	3999,4001,4005	*05*,*08*,12
1458	8.3	+10 52	7.5	*7.10*		. A .
4081	8.3	−30 39	6.6	6.13	3221,3239,3592	02,02,*05*
1419	8.4	+47 25	5.7	5.54	3270,3607,3959, 3963	06,*18*,14, 00
1408	8.4	+45 35	7.0	6.69	3270,3612,3959	01,10,*12*
1576	8.4	+24 53	7.3	6.86	4000,4001,4005	05,*15*,11
1849	8.4	−11 4	6.3	6.01	3230,3246,3957	11,*05*,*05*
3761	8.4	−27 18	7.3	6.45	3239,3240,3988	01,*05*,04
1618	8.6	+25 5	6.3	6.07	3262,4331,4345	13,*01*,*12*
1802	8.6	− 8 41	7.5	7.46	3238,3241	00,00
4174	8.7	−31 48	7.5	7.40	3221,3239,3592	30,*10*,*19*
296	8.8	+75 16	7.0	*7.02*		A . .
5026	8.8	−24 3	7.5	7.13	3248,3251	*11*,11
1017	8.9	+58 14	7.1	7.36	3612,3614	02,*03*
3421	8.9	−36 22	6.3	5.79	2892,2895,3231, 3602	*13*,*04*,10, 07
2987	8.9	−40 19	5.7	5.29	3574,4354,4355	*23*,16,08
1420	9.0	+47 49	7.2	7.44	3270,3612	06,*06*
1469	9.0	+12 18	6.5	5.84	3213,3217,3949	*19*,*01*,21
493	9.1	+66 56	7.5	7.62	3256,3258	06,*05*
1609	9.1	+ 3 18	6.0	*5.66*		. . A
1756	9.1	−22 29	6.0	6.32	3251,4338,4346, 4348	04,04,*08*, 01
1804	9.2	− 3 43	6.5	6.12	3238,3241,3999	*12*,08,05
1921	9.5	− 9 46	5.7	6.16	3241,4349,4352	*20*,08,12
1620	9.6	+22 9	7.2	*7.38*		. A .
1761	9.6	−22 44	6.8	6.24	3248,3251,3994	*11*,*08*,18
3789	9.6	−27 11	6.8	5.86	3239,3240,3988	*20*,04,17
1188	9.7	+52 18	6.2	*6.03*		. . A
1350	9.7	+28 5	6.5	5.87	3262,3272,4000	03,*17*,15
1933	9.7	−10 8	6.4	*6.04*		12, . *12*
R	9.7	−46 35	. .	4.44	3604	A
472	10.0	+68 44	7.5	7.84	3256,3258,3614	04,03,*08*
4143	10.0	−30 54	6.9	6.42	3231,3236,3270, 3955	00,*15*,11, 02
201	10.1	+82 36	5.5	*5.02*		*10*, . 10
250	10.1	+78 27	6.5	7.30	3216,3256	*15*,15
1583	10.1	+ 9 41	7.7	7.23	3949,3956	04,*04*
4146	10.1	−30 10	6.8	6.15	3221,3239,3592	13,*18*,06

7^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3254	10.1	−38 19	7.5	7.33	3218,3221,3602	20,*10*,*09*
1871	10.2	+ 0 2	7.2	6.58	3949,3956	11,*11*
1720	10.2	−15 18	7.5	*7.05*		A . .
1767	10.2	−19 48	7.0	*7.29*		A . .
4057	10.2	−26 10	5.4	4.61	3983,4338,4346,4348	*17*, R,20,*04*
3610	10.2	−33 9	7.5	7.63	3221,3223,3592	01,09,*09*
R	10.2	−45 0	. .	4.86	3245,3270,3271,3272,4357,4360,4363,4366	16,05,*17*,34,65,*77*,*39*,17
1712	10.3	+ 8 10	6.8	*5.97*		. 02,*03*
4256	10.4	−25 7	7.2	7.17	3240,3247	*01*,01
1790	10.6	−14 26	7.2	7.16	3230,3246	*06*,07
1628	10.7	+41 8	7.5	7.46	3270,3612	*06*,05
1497	10.7	+33 17	7.0	6.90	3269,3589,4001,4005	*20*,07,19,*07*
1592	10.7	+24 43	7.5	*7.01*		A . .
4073	10.7	−26 35	4.2	*3.90*		. 09,*08*
3451	10.7	−36 15	7.3	7.14	2892,2895,3602	*08*,11,*02*
4074	10.8	−26 51	6.5	5.80	3239,3240,3983	*01*,02,*02*
4164	10.8	−30 28	7.2	6.94	3221,3223,3592	14,*08*,*05*
1612	10.9	+49 38	5.3	*4.84*		. . A
1908	10.9	+39 5	6.6	6.51	4000,4001,4005	05,*06*,00
1508	10.9	+26 53	6.5	6.51	3262,3269,4000	09,*11*,01
251	11.0	+78 15	7.0	7.10	3216,3256	05,*05*
1433	11.0	+16 18	7.5	6.83	3213,3217,3949	*06*,*07*,12
1945	11.0	−10 24	6.3	*6.09*		07, . *07*
1630	11.1	+41 4	6.0	5.79	3270,3612,4327	*09*,*15*,23
1527	11.1	+31 53	6.7	6.68	3269,3589,4001,4005	02,06,04,*11*
1510	11.1	+26 33	7.5	7.40	3262,3269	10,*10*
1071	11.2	+59 26	7.0	6.76	3614,4327,4331	07,*06*,00
1871	11.3	−12 52	7.3	7.72	3230,3246	08,*09*
3411	11.3	−37 4	7.3	7.14	2895,3218,3602	*06*,15,*09*
1732	11.4	−16 3	6.8	6.79	3246,3251,3957	*10*,*01*,10
5173	11.5	−23 33	6.8	6.26	3247,3248,3983	04,06,*11*
4184	11.5	−30 30	6.1	5.32	3223,3231,3236,3247,3248,3592,3959,3980,4346,4348	*06*,03,*03*,02,24,*14*, R,*09*,*06*,09
1597	11.6	+ 9 39	7.8	7.14	3949,3956	16,*15*
1797	11.6	−14 19	7.2	6.84	3246,3251,3957	*01*,07,*06*
3464	11.6	−36 2	7.5	7.26	3218,3221,3602	14,*16*,02
1529	11.7	+31 9	6.5	*6.10*		. . A
1734	11.7	−15 24	6.0	*5.42*		03, . *02*
1354	11.8	+27 19	7.5	7.75	3262,3269	15,*15*
1594	11.9	+ 6 51	6.9	*6.44*		. A .
1731	12.1	+38 52	7.4	7.02	3269,3589	08,*07*
1913	12.1	−13 17	7.5	7.47	3246,3251	06,*06*
1603	12.2	+ 9 28	7.8	*6.99*		A . .
1914	12.2	−13 31	7.3	7.07	3246,3251	*04*,04
1443	12.3	+16 43	4.1	3.66	3217,3949,4347	20,*04*,*17*
4205	12.3	−30 16	7.3	6.98	3221,3223,3602,3980,3988,3995	00,*02*,05,*11*,00,09
1593	12.4	+35 22	7.0	*7.17*		A . .
5189	12.4	−23 8	5.3	4.98	3251,4338,4346,4348	*02*, R,*27*,30
5190	12.4	−23 39	8.0	7.21	3247,3248	*01*,01
1874	12.5	−11 51	7.1	6.70	3246,3251,3957	06,*07*,00
5192	12.5	−23 9	7.2	R	3248,3251	R, R
2055	12.6	− 5 39	7.3	7.03	3238,3241	*05*,05
2032	12.6	− 6 30	6.3	6.36	3238,3241,3999	02,02,*05*
3852	12.6	−27 42	5.4	*4.77*		. 09,*09*
4270	12.6	−31 52	7.1	7.10	3221,3223,3602	00,*03*,03
1830	12.7	−21 1	7.3	7.16	3247,3248	00,01
1576	12.8	+34 44	7.2	*7.31*		A . .
4234	13.1	−30 43	7.1	6.09	3980,4352	01,*01*
3288	13.1	−38 9	6.3	5.81	2895,3218,3602	*06*,05,01
4113	13.2	−28 26	7.2	6.94	3239,3240,3988	10,*16*,07
1362	13.3	+27 0	7.2	6.88	3262,3269,4000,4001,4005	*08*, T,31,*13*,*10*
3485	13.3	−36 25	5.6	5.07	3256,3949,3959,3991	*05*,05, R, R
1506	13.4	+33 47	7.2	7.04	3269,3589	06,*05*
4119	13.4	−28 57	7.8	6.98	3239,3240,3988	*06*,08,*02*
449	13.5	+70 53	7.1	7.92	3216,3258	05,*05*
1048	13.5	+60 5	6.5	6.32	3959,3963	02,*02*
322	13.6	+74 3	7.5	7.40	3216,3258	*15*,14
1490	13.6	+10 29	7.0	7.39	3217,3235	04,*04*
3489	13.6	−36 55	2.7	2.96	3231,3256,3949,3959,3991	08,12,*20*, R, R
4140	13.7	−26 37	7.2	6.34	3239,3240,3988	*05*,*12*,16
1897	13.8	+ 0 15	7.8	6.76	3949,3956	00,01
1836	13.9	− 8 57	7.5	7.56	3238,3241	20,*20*
1699	14.0	+42 50	6.5	6.57	3270,3612,3959	03,*01*,*01*
1798	14.0	−22 9	7.0	6.75	3247,3248,3983	*01*,10,*09*
1422	14.1	+45 24	6.0	*5.68*		. . A
3301	14.1	−38 51	7.4	7.05	2892,2895,3602	*25*,00,24
3302	14.1	−38 44	7.1	6.82	2892,2895,3602	*09*,*14*,22
1645	14.2	+22 10	3.5	3.34	3276,4331,4345	13,*03*,*11*
1640	14.2	+ 2 54	6.5	6.06	3217,3235,3949	03,*13*,11
1684	14.3	+ 7 19	7.5	5.85	3949,4347,4352	*07*,*04*,10
375	14.5	+73 16	7.2	6.96	3216,3258,3954	*21*,18,04
1541	14.5	+15 21	6.8	6.50	3949,3956	07,*08*
5173	14.5	−24 23	5.6	4.94	3248,4346,4348	*02*,13,*11*
5176	14.5	−24 47	4.6	4.47	3247,4346,4348	11,*03*,*09*
1420	14.6	+50 20	7.2	*6.64*		08, . *07*
1511	14.6	+29 55	7.5	*7.11*		A . .
1839	14.6	− 8 36	7.5	7.36	3238,3241	*10*,10
1892	14.6	−17 2	7.1	6.83	3246,3251,3957	*07*,*07*,13

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
630	14.7	+64 19	7.5	7.34	3216,3256,3258	*07*,14,*07*
1192	14.7	+55 28	5.5	*5.23*		. . A
1706	14.7	+37 51	7.1	6.82	3269,3276,4001,4005	08,*02*,*09*,01
1818	14.7	−19 6	6.5	*6.22*		03,08,*10*
4276	14.7	−30 37	7.3	6.88	3221,3223,3602,3604	*14*,27,*05*,*09*
3873	14.7	−32 10	7.5	6.80	3221,3223,3602	10,*13*,02
1917	14.8	−17 21	6.9	6.56	3246,3957	10,*09*
4164	14.8	−26 25	6.0	*5.42*		. *02*,01
3512	14.8	−36 33	5.3	4.63	3218,3251,3256,3970,3997	*08*,13,*13*,09,01
498	14.9	+66 0	7.3	7.33	3216,3274,3276,3633,3643	14,*07*,*16*,11,*03*
1639	15.0	+41 30	7.5	7.64	3270,3612	06,*07*
1871	15.0	−21 52	7.3	6.84	3248,3251,3983	*09*,*05*,13
1850	15.1	− 3 43	7.0	6.84	3238,3241,3999	*04*,06,*02*
1908	15.1	− 4 49	7.3	*7.10*		A . .
3519	15.1	−36 34	5.4	5.06	3240,3251,3256,3970,3997	*08*,20,14,*25*,*03*
R	15.2	+32 14	. .	7.93	4347,4347,4348,4348,4354,4354	08,*14*,00,11,*05*,*01*
4161	15.2	−28 50	7.5	7.54	3239,3240	08,*08*
3309	15.2	−39 2	5.8	5.25	3602,3949,3970,3997	09,01,18,*29*
1927	15.4	+39 11	7.3	6.48	3269,3276,4001,4001,4005	12,*18*,01,04,01
1707	15.4	+36 57	5.3	5.16	3589,4331,4345	15,08,*23*
1909	15.4	+ 0 35	7.5	6.83	3217,3235,3949	06,*10*,03
1649	15.5	+ 3 46	7.5	6.84	3217,3235,3949	05,*11*,07
3696	15.5	−33 33	6.9	6.47	3223,3239,3602	02,*14*,12
1849	15.6	− 8 22	7.3	7.06	3238,3241	10,*10*
422	15.7	+69 40	7.5	*7.92*		A . .
1857	15.7	−20 31	7.4	6.86	3995,3997	*05*,05
3466	15.7	−37 52	7.3	6.96	2892,2895,3602	*01*,*08*,10
2075	15.9	− 5 57	7.5	7.02	3238,3241,3999	*14*,*04*,18
1775	16.1	+20 38	6.0	5.25	4001,4331,4345	*03*,00,02
1884	16.1	−21 54	7.4	7.12	3248,3251	03,*03*
1846	16.3	−14 11	6.2	5.79	3957,4349,4352	05,*10*,04
252	16.4	+81 6	7.0	*6.50*		A . .
1646	16.5	+41 35	7.3	7.74	3270,3612	*04*,04
1862	16.5	− 8 41	6.5	6.50	3238,3241,3999,4005	*04*,06,*05*,05
4208	16.5	−26 31	7.3	6.59	3239,3240,3988	*10*,*07*,16
2080	16.6	− 5 43	7.0	6.59	3238,3241,3999	19,*11*,*07*
1823	16.7	−22 40	6.8	6.45	3248,3251,3995	*02*,01,02
4223	16.8	−26 47	6.7	5.84	3239,3240,3988	05,*12*,06
1915	16.9	+ 0 22	7.0	*6.00*		08, . *08*
4400	16.9	−25 43	6.7	6.10	3240,4247,3988	*16*,06,09
4260	16.9	−29 41	7.5	7.65	3240,3247	*01*,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3910	17.0	−32 18	7.5	7.42	2223,3239,3602	*18*,16,02
286	17.1	+77 9	7.4	7.20	3216,3258	*15*,14
1205	17.1	+52 5	6.1	5.91	3612,3614,3643	01,*03*,03
1208	17.2	+56 44	7.5	7.63	3612,3614,3615,3643	R,*12*,04,09
1852	17.2	+40 52	5.8	*5.28*		. . A
1872	17.2	− 8 48	6.6	6.29	3238,3241,4349	*03*,07,*03*
1593	17.3	+18 28	7.0	6.82	3217,3235,3949	04,*04*,01
1916	17.3	+ 0 53	7.0	6.63	3949,3956	10,*10*
2079	17.3	− 2 48	6.5	6.30	3238,3241,3999	00,10,*10*
254	17.4	+78 55	6.8	7.40	3216,3258	*15*,14
1660	17.4	+25 15	5.0	*5.13*		. . A
1554	17.4	+15 33	6.9	6.60	3217,4347	06,*07*
1918	17.4	− 0 4	7.6	6.64	4005,4349	*12*,11
502	17.5	+66 32	6.2	6.31	3216,3258,3267,3614,3633,3959,3963,3969,4331,4345	*44*,16,*04*,*01*,19,*12*,18,15,14,*17*
1698	17.5	+23 9	6.5	*5.97*		. . A
2089	17.5	− 5 48	5.9	5.77	3262,3999,4349	00,04,*04*
1621	17.6	+36 30	7.5	6.97	3269,3276,4001,4005	*17*,03,00,13
1923	17.8	−16 7	7.2	7.08	3251,3262	*10*,09
1806	17.8	−18 50	6.0	*4.84*		. . A
503	18.1	+66 42	7.8	7.52	3216,3258,3614,3633,3643	*25*,25,*13*,03,08
1374	18.3	+27 50	6.9	5.72	3269,4331,4345	08,*07*,*02*
3934	18.3	−32 24	7.5	6.96	3223,3239,3602	*22*,*08*,30
4439	18.6	−25 49	7.5	6.98	3240,3247,3988	06,*02*,*05*
1564	18.8	+15 43	7.0	6.37	3217,3235,3949	09,*19*,11
4430	18.8	−31 51	7.5	6.64	3223,3239,3602	*07*,*24*,31
1525	18.9	+10 26	7.5	6.94	3235,3236,3949	01,*18*,18
1795	19.0	+20 12	7.5	*7.60*		A . .
1878	19.0	− 3 47	7.5	7.05	3238,3241	*05*,05
1854	19.1	−20 2	7.5	*7.33*		A . .
1623	19.2	+49 25	4.5	4.44	3270,4327,4331	*14*,13,02
4437	19.2	−31 44	5.9	5.40	3602,3949,3970,4374	14,*05*,*06*,*04*
3349	19.2	−38 56	9.1	8.66	3988,3988,4360,4360,4363,4363	*18*,11,*13*,*36*,32,21
926	19.4	+62 5	8.0	7.46	3267,3633	01,*01*
1578	19.4	+11 52	5.8	5.34	3236,3949,4347	02,06,*08*
1955	19.4	−17 13	7.5	6.86	3251,3262,3957	10,*02*,*07*
1627	19.5	+44 40	7.5	*7.87*		A . .
1526	19.5	+33 4	7.5	7.35	3269,3276	*05*,05
1385	19.5	+28 0	4.0	3.78	3269,3272,4331	12,*08*,*04*
4020	19.5	−27 39	6.0	R		
1545	19.7	+32 6	7.2	6.81	3269,3276,4005	*11*,*01*,13
1798	19.7	+20 43	7.0	6.89	3262,3272,4000	*02*,*12*,14
3578	19.7	−36 9	7.1	6.72	3218,3221,3223	08,*02*,*06*

7^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4427	19.8	−30 15	7.3	6.91	3223,3239,3604	05,*14*,10
4454	19.8	−32 1	5.8	5.48	3949,3970,3991	04,*04*, R
3570	19.8	−34 20	7.4	7.40	3223,3239,3604	23,*11*,*11*
1691	19.9	+43 27	6.7	6.74	3270,3612,3959	06,*07*,02
4322	20.0	−30 2	6.9	6.44	3223,3239,3604	*08*,*07*,14
1610	20.1	+18 21	7.0	6.94	3235,3236,3949	14,*06*,*08*
1810	20.1	−16 0	5.8	4.99	3246	A
1855	20.1	−22 48	6.7	6.10	3248,3251,3995	13,*04*,*09*
4328	20.1	−29 6	2.9	*2.40*		. *10*,10
1643	20.2	+ 9 28	5.4	5.09	3963,4347,4352	06,*20*,13
4286	20.2	−28 38	7.6	6.60	3240,3247,3988	*14*,*02*,15
1574	20.3	+31 49	7.5	7.15	3269,3276	*05*,*05*
3569	20.4	−35 39	6.6	6.20	2895,3221,3604	12,06,*17*
480	20.5	+68 40	5.5	5.83	3213,3216,3216,	*17*,*06*,*16*,
					3221,3231,3235,	14,*06*,14,
					3236,3240,3245,	*25*,05,05,
					3249,3256,3258,	03,*15*,*06*,
					3258,3267,3269,	24,*06*,15,
					3271,3272,3274,	*06*,05,*17*,
					3276,3281,3577,	*16*,13,12,
					3589,3602,3611,	08,*04*,01,
					3612,3614,3624,	*10*,*18*,10,
					3633,3643,3646,	*04*,*24*,*11*,
					3647,3650,3943,	01,33,09,
					3944,3949,3950,	*04*,*07*, R,
					3951,3954,3955,	*23*,*02*,*02*,
					3956,3963,3969,	*15*,20,08,
					3970,3972,3980,	*05*,04,*04*,
					3991,3995,3997,	35,*22*,*04*,
					3999,4001,4005,	04,07,00,
					4012,4289,4293,	03,05,03,
					4295,4297,4306,	15,*27*,*01*,
					4308,4346,4347,	00,22,07,
					4354,4355,4357,	04,*01*,*17*,
					4363,4366,4367,	22,07,*03*,
					4374	06
1825	20.5	−18 49	7.0	*6.27*		. A .
3284	20.5	−39 21	7.5	7.06	3221,3223,3604,	21,*14*,*06*,
					3955	*02*
1945	20.6	+39 32	7.0	7.08	4005,4012	05,*05*
2001	20.6	−13 33	6.5	*5.82*		. 12,*11*
1887	20.6	−14 41	7.5	*6.59*		A . .
3579	20.7	−34 10	8.0	7.69	3239,3240,3604	00,06,*05*
1760	20.8	+38 52	7.1	7.05	3269,3276	05,*05*
1919	20.8	−20 59	7.3	6.73	3248,3251,3995	04,*02*,*03*
1270	20.9	+46 43	6.5	6.78	3612,3614,3959	08,*16*,08
1271	20.9	+46 10	6.7	7.36	3267,3269,3270,	14,04,24,
					3612,3614,4015,	03,*27*, R,
					4015,4017,4017,	R,*13*,*32*,
					4018,4018,4327,	*21*,00,*12*,
					4327,4331,4331,	*18*,*19*,*22*,
					4345,4345,4355,	10,02,20,
					4355,4357,4357,	24,10,*03*,
					4360,4360	22,24
2112	20.9	− 5 35	6.3	6.10	3249,3951,4349	00,04,*05*
4482	20.9	−31 37	5.7	5.54	3604,3607,3615,	11, R,09,
					3628,3970	*13*,*06*
402	21.0	+71 35	7.3	7.37	3216,3258	10,*10*
1535	21.0	+48 17	7.5	7.88	3612,3614	05,*04*
1272	21.0	+46 29	7.5	7.78	3612,3614	*06*,06
1596	21.0	+21 45	6.8	6.45	3262,3272,4000	02,*08*,05
1532	21.0	+10 49	7.0	6.22	3235,3236,3963	*27*,14,12
1805	21.1	+20 27	6.5	5.80	3276,4331,4345	*03*,08,*04*
1943	21.1	− 4 20	7.4	6.47	3238,3241,3951	*19*,11,09
1925	21.1	−21 47	7.0	5.93	3248,3251,3995	*08*,16,*09*
1864	21.2	+40 52	7.4	7.31	3269,3589	*11*,11
1588	21.2	+11 12	6.8	*6.31*		. . A
1878	21.2	−19 15	7.3	7.08	3246,3249,3951,	*05*,*21*, R,
					4349,4352,4354	*06*,20,10
5366	21.2	−25 1	6.4	5.73	3240,3247,3988	*17*,15,02
3363	21.2	−38 5	7.5	7.36	3223,3239,3604	05,*02*,*04*
3549	21.3	−37 6	6.7	6.06	2892,2895,3604	*09*,02,07
1537	21.4	+48 8	7.2	6.90	3267,3269,3270,	00,*10*,10,
					3612,3614,4017,	07,*12*,*02*,
					4017,4018,4018,	*10*,20,07,
					4345,4345,4355,	*03*,08,03,
					4355,4357,4357	01,*11*,*13*
2008	21.4	−13 58	7.2	6.76	3246,3249,3615,	27,*23*,*03*,
					3646,4005	*13*,11
1538	21.5	+48 24	6.0	5.65	3612,3614,4327	04,*18*,14
1721	21.5	− 0 16	8.0	6.88	3238,3241,3951	*08*,22,*15*
1820	21.5	−15 28	7.2	*7.02*		A . .
4341	21.5	−26 26	8.2	7.23	3240,3247	*11*,11
508	21.6	+66 20	6.7	7.07	3216,3258	*10*,10
1273	21.6	+46 33	6.5	6.63	3612,3614,3959	05,00,*06*
1548	21.6	+12 9	7.5	6.70	3235,3236,3963	*05*,06,00
1963	21.6	− 7 10	7.5	7.98	3238,3241	10,*10*
2043	21.6	− 9 53	7.0	6.82	3951,3999	02,*03*
1687	21.7	+22 21	7.0	6.92	3262,3272,4005	15,*15*,00
1774	21.7	+ 8 29	3.0	*3.11*		. . A
1602	21.8	+21 39	5.8	5.31	3272,4000,4331	*24*,20,05
1574	21.8	+15 30	7.3	7.02	3217,3235	24,*24*
1564	21.9	+26 26	7.3	7.15	3262,3276	*05*,05
1936	21.9	−20 42	7.3	7.04	3248,3251	*07*,07
4506	21.9	−31 32	7.0	6.02	2912,3239,3604,	03,*10*,19,
					3607,3615	*25*,15
1734	22.0	+19 15	7.2	7.18	3235,3236	*10*,10
1969	22.0	−12 59	7.2	6.77	3249,3262,3951	*04*,*08*,11
1614	22.2	+34 39	7.5	*7.37*		A . .
1630	22.3	+49 53	6.0	5.53	3959,4327,4331	*04*,01,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1395	22.5	+27 45	7.1	6.62	3262,3276,4000	12,12,*24*
1606	22.5	+21 46	7.4	7.07	3262,3272	00,00
5477	22.5	−23 31	7.0	6.50	3248,3251,3995	03,06,*09*
933	22.6	+62 43	7.0	6.77	3216,3258,3959	*20*,10,11
1729	22.6	+ 7 9	6.0	*5.38*		. . A
1562	22.7	+31 59	5.0	*4.21*		. . A
1980	22.7	−17 40	6.0	6.11	3951,4349	*22*,22
1660	22.8	+ 9 8	5.0	*4.58*		. . A
1874	22.8	−22 53	6.0	*5.48*		. *03*,02
405	22.9	+71 48	7.4	7.57	3216,3258	*10*,10
1623	22.9	+35 1	7.5	*7.92*		A . .
1624	23.0	+35 23	7.2	*7.22*		A . .
2126	23.0	− 2 41	7.0	6.85	3238,3241,3951	*15*,*05*,19
3813	23.0	−33 56	6.5	5.91	2912,3267,3604	*11*,13,*03*
934	23.1	+61 58	7.0	6.75	3258,3643,3646,	12,10,00,
					3959,3963,3969	*04*,*10*,*09*
1633	23.1	+49 5	7.5	7.16	3612,3614	00,*01*
1396	23.1	+28 19	6.0	*5.02*		. . A
1217	23.2	+52 12	7.0	6.64	3612,3614,3959	*08*,*06*,15
1579	23.2	+15 20	7.0	6.23	3217,4347,4352	03,*11*,08
1951	23.2	−11 21	6.3	*5.94*		. . A
1669	23.3	+41 5	6.7	6.99	3270,3612,3959	*09*,04,05
3611	23.3	−34 7	8.3	6.75	2912,3239,3604	02,04,*05*
1439	23.4	+50 15	7.8	8.04	4017,4017,4018,	*18*,*20*,*33*,
					4018,4355,4355,	*26*,01,16,
					4357,4357,4359,	11,04,05,
					4359,4360,4360	18,21,27
1773	23.4	+38 24	6.8	6.86	3269,3589,4005	*06*,07,*02*
1677	23.5	+14 34	7.5	*7.04*		A . .
1878	23.5	−22 39	7.0	5.69	3248,3251,3995	*06*,07,00
3823	23.5	−33 41	7.5	7.25	3239,3240,3604	06,02,*07*
1400	23.6	+28 7	5.0	*5.05*		. . A
1743	23.6	+19 51	7.0	6.63	3963,3979	*12*,12
1683	23.6	+12 58	7.1	6.59	3235,3236,3963	*11*,09,01
1722	23.7	+42 6	7.0	7.37	3270,3612	03,*03*
1592	23.7	+11 48	7.5	*7.00*		. . A
1851	23.7	−18 55	7.5	7.25	3246,3249	*02*,02
2069	23.8	− 9 50	6.8	6.59	3951,3999	*11*,11
4378	23.8	−28 10	7.3	6.80	3240,3247,3988	*12*,00,11
1688	23.9	+ 6 47	7.2	6.71	3235,3236,3949	*26*,05,20
4399	23.9	−26 38	7.1	6.53	3240,3247,3988	*01*,*08*,10
4383	24.0	−28 57	6.3	5.52	3240,3247,3988	04,*04*,*01*′
1567	24.2	+12 13	5.0	*4.80*		. *04*,04
1738	24.3	− 1 42	6.5	*5.82*		. *01*,02
4386	24.3	−28 28	8.3	8.29	3240,3247	09,*09*
1614	24.4	+21 0	8.1	7.40	3236,3238,3239,	08,*12*,*32*,
					3240,4017,4017,	*12*,*15*,08,
					4018,4018,4357,	*07*,09,*08*,
					4357,4359,4359,	00,21,13,
					4360,4360	19,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1725	24.6	+42 51	7.3	7.75	3270,3612	15,*15*
1822	24.6	+20 2	7.5	*7.10*		A . .
1996	24.6	− 7 21	5.9	*5.99*		. 01,*01*
2067	24.6	−10 7	5.5	*6.00*		03, . *04*
1991	24.7	−12 55	7.5	7.26	3249,3262	*03*,03
1858	24.7	−18 40	7.2	7.15	3246,3249	18,*18*
4402	24.7	−28 55	7.1	6.82	3240,3247,3988	*16*,16,*01*
3618	24.7	−35 3	7.5	7.30	2892,2912,3604	01,*09*,07
1823	24.8	+20 44	7.3	7.07	3272,3276	00,00
1925	24.8	−14 47	6.7	*5.94*		05, . *05*
1996	24.8	−17 8	7.5	7.32	3246,3249	*16*,17
3601	24.9	−37 36	6.9	6.36	2892,2895,3589,	*15*,*04*,07,
					3604,3955	07,03
4590	25.1	−31 38	7.4	5.90	3239,3240,3245,	*08*,08,08,
					3251,3267	02,*10*
1958	25.2	+39 6	7.0	6.46	3269,3589,4005	*16*,08,09
1685	25.2	+ 2 29	7.3	7.03	3235,3236	10,*10*
3634	25.2	−34 43	7.5	6.63	2912,3240,3604	*09*,10,00
2051	25.3	−13 46	7.0	6.94	3249,3262,3951	*01*,*05*,05
4593	25.3	−31 15	6.4	5.62	3239,3247,3267	00,*02*,03
1635	25.4	+35 49	7.0	7.16	3269,3589	*06*,07
3857	25.5	−33 58	7.5	7.16	2912,3239,3604	*06*,05,00
1598	25.6	+11 25	7.5	6.58	3235,3235,3236,	07,17,*12*,
					3238,3239,4017,	*23*,*03*,*05*,
					4017,4355,4355,	04,*02*,*04*,
					4357,4357,4359,	*06*,00,14,
					4359,4360,4360	06,17,*11*
1919	25.6	−19 19	7.0	6.99	3246,3249,3951,	*26*,38,*03*,
					3957,3999,4348	00,*02*,*07*
1897	25.6	−22 49	6.0	4.84	3245,4346,4348	*09*,05,03
3400	25.7	−38 36	5.9	5.25	3221,3238,3949,	33,*23*,*02*,
					3988,3995,4360,	09,20,*28*,
					4363	*08*
5487	25.8	−24 56	7.5	7.09	3247,3248	19,*19*
284	25.9	+76 1	7.3	*7.82*		A . .
1979	25.9	− 5 1	6.9	6.36	3951,3999	*04*,04
1596	26.0	+17 18	6.2	*5.68*		. *07*,06
3616	26.0	−37 55	7.5	7.55	3221,3223,3239,	*17*,*21*, R,
					3604,3607,3615,	*16*,*01*,*03*,
					3980,3988,3995,	15,*16*,*04*,
					4346,4348	35,27
R	26.1	−43 6	. .	3.31	3238,3592,3607,	06,*05*,*08*,
					3984,4363	R,08
512	26.2	+66 41	7.3	7.51	3258,3267,4327	06,*04*,*01*
1327	26.2	+51 32	6.5	6.52	3614,3615,3959	*18*,02,16
1743	26.2	− 0 55	7.5	6.60	3238,3241,3951	*10*,10,00
2086	26.2	− 9 54	7.0	6.98	3951,3999	*07*,07
381	26.4	+73 49	7.5	7.59	3258,3267	05,*05*
1582	26.4	+12 53	7.5	6.59	3235,3236,3963	*01*,*11*,12
1629	26.6	+34 9	7.5	7.34	3269,3589	*14*,15

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1740	26.7	+37 25	6.5	6.51	3269,3589,4005	*11*,*01*,13
1630	26.7	+21 37	7.1	6.80	3262,3272,4000	*13*,*03*,15
1731	26.8	+42 35	7.5	8.18	3270,3612	*08*,08
1944	26.8	−14 45	7.1	*7.26*		A . .
3879	26.8	−33 53	7.5	7.44	3239,3240,3604	*03*,23,*19*
1282	26.9	+46 23	7.3	7.28	3614,3615	*10*,09
1744	26.9	+23 7	6.0	6.45	3589,4331,4345	01,05,*05*
1708	26.9	+ 2 57	7.4	6.73	3235,3236,3949	00,10,*09*
1691	26.9	+ 2 8	5.8	*5.45*		. . A
4620	26.9	−30 45	5.3	4.86	3238,3955,3984, 3988,3995	*24*,*04*,25, *01*,03
579	27.1	+65 18	6.8	*7.35*		A . .
1734	27.1	+42 19	7.4	7.80	3270,3612	00,00
2153	27.1	− 5 43	7.3	7.02	3238,3241,3951	*14*,06,08
1525	27.2	+30 51	7.5	7.46	3269,3615	04,*04*
3637	27.2	−37 8	7.1	6.70	2892,2895,3604, 3628	*23*,*02*,10, 16
1548	27.3	+48 25	7.0	7.17	3612,3614	13,*13*
1964	27.3	− 8 40	6.0	6.09	3951,4349,4352	16,*15*,*01*
3660	27.3	−34 46	7.9	7.58	2912,3239,3240, 3604,3607,3615, 3955,3980,3983	*07*,06,43, *23*,*09*,*12*, 14,*09*,*04*
213	27.7	+81 55	7.5	*7.60*		A . .
1549	27.7	+48 55	7.0	6.91	3602,3612,3959	*06*,02,03
1598	27.8	+15 51	7.5	*6.67*		. A .
1756	27.8	− 1 49	7.7	6.76	3238,3241,3999	*06*,04,02
3650	27.8	−35 56	7.1	6.46	2892,2895,3604	*04*,04,*01*
1550	27.9	+33 21	7.5	7.70	3269,3615	00,00
1510	27.9	+16 3	5.7	*5.17*		. . A
1715	27.9	+ 3 30	6.5	*5.68*		. . A
2096	27.9	− 9 27	7.5	7.51	3238,3241	05,*05*
2097	28.0	− 9 11	7.3	7.51	3238,3241	*15*,15
2023	28.0	−18 2	7.3	7.72	3246,3249	*06*,07
2166	28.1	− 6 39	7.4	7.33	3238,3241	*05*,05
3652	28.1	−35 40	6.7	6.36	2892,2895,3604	*01*,*04*,06
1581	28.2	+32 6	1.7	*1.61*		. . A
1416	28.3	+28 55	7.0	6.74	3262,3276,4000	*04*,06,*02*
1892	28.4	+40 44	7.3	7.56	3615,3640	15,*16*
1085	28.5	+57 5	7.5	7.72	3612,3614,3615	00,13,*02*
1563	28.6	+10 47	7.0	6.17	3963,4347,4352	00,00,00
2165	28.6	− 6 1	7.3	7.38	3238,3241,3615, 3646,3655,3951, 3999,4005	40,*10*,03, *35*,*11*,10, *13*,06
514	28.7	+66 26	6.5	7.07	3258,3267	00,00
1227	28.7	+56 0	6.0	5.95	3274,4327,4345	*05*,30,*26*
3659	28.7	−35 45	6.5	6.15	2892,2895,3604	*03*,*05*,09
1069	28.8	+60 45	6.7	*6.86*		A . .
1620	28.8	+31 11	6.5	5.34	3269,4331,4345	*04*,14,*11*
1966	28.8	−14 7	6.8	6.16	3957,3999	*03*,02
1711	28.9	+43 15	6.5	6.30	3270,3612,3969	00,03,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1705	28.9	+24 29	7.5	*7.91*		A . .
1944	28.9	−19 12	6.2	*5.76*		09, . *10*
5566	28.9	−24 30	6.6	*5.82*		. *04*,03
1719	29.0	+ 3 35	7.1	*5.82*		. *05*,05
1419	29.1	+28 51	7.3	7.02	3262,3276,4000	*12*,08,05
983	29.2	+61 46	7.2	7.17	3258,3267	10,*10*
1760	29.2	+23 16	6.8	7.22	3262,3272	15,*15*
2041	29.2	− 7 26	7.5	7.63	3238,3241	*05*,05
1971	29.2	−14 18	5.8	5.17	3999,4348,4349	02,00,*01*
1160	29.3	+54 4	7.2	7.36	3274,3602	*16*,16
1286	29.3	+46 24	6.0	5.82	3614,4327,4345	*13*,12,01
1723	29.6	+ 2 56	7.1	6.48	3235,3236,3949	05,*05*,01
3915	29.6	−33 11	7.5	7.12	2912,3239,3240, 3604	*19*,01,17, 00
1751	29.7	+ 4 39	7.3	7.06	3949,3963	14,*15*
1904	29.7	−15 59	7.0	6.89	3246,3249,3957	00,02,*03*
1424	29.8	+27 7	4.2	*4.26*		. . A
2007	29.8	−22 5	5.4	*4.52*		. *01*,02
2101	29.9	−13 39	7.2	6.70	3249,3262,3957	*27*,19,08
1950	29.9	−19 55	7.3	*6.81*		A . .
4522	29.9	−28 21	7.2	6.61	3245,3248,3955	*11*,11,*01*
3398	29.9	−39 50	6.6	6.16	2892,2895,3604, 4346	*24*,14,*05*, 16
1773	30.0	+ 7 48	7.3	*6.62*		. 00,00
5709	30.1	−23 15	6.5	5.25	3248,3251,4334	08,01,*10*
3715	30.2	−36 7	6.0	5.59	3240,3607,3984, 3995 4331	03,*13*,12, *14*,12
1648	30.3	+44 50	7.5	*8.17*		A . .
4719	30.3	−25 54	7.0	6.50	3248,3251,3955	*22*,09,14
3926	30.4	−33 15	6.6	6.02	3239,3604	*09*,10
1653	30.5	+48 59	6.4	6.01	3602,3612,4327	*16*,*04*,20
1459	30.5	+45 18	7.5	*8.27*		A . .
1903	30.5	+40 14	6.8	*6.57*		A . .
4574	30.5	−26 48	6.6	5.85	3248,3251,3955, 3995,3997	01,02,14, 02,*20*
3407	30.6	−39 41	7.0	6.74	2892,2895,3604	*19*,18,00
1555	30.9	+47 59	7.4	7.59	3602,3614	04,*04*
1914	30.9	−15 10	7.2	*7.31*		A . .
1979	31.1	+39 5	7.3	7.10	3269,3615	00,01
2197	31.1	− 2 56	7.4	7.10	3238,3241	10,*10*
1633	31.2	+31 50	7.5	7.60	3615,3640	00,00
1729	31.2	+ 6 5	6.7	5.94	2904,3235,3949	11,*19*,08
1167	31.3	+54 7	7.0	6.59	3274,3602,3959	*19*,*01*,21
1856	31.3	+20 23	7.0	6.81	4000,4005	*05*,05
1099	31.4	+59 46	7.2	*7.10*		01,*01*
1232	31.4	+52 47	7.3	7.58	3274,3602	*18*,19
1742	31.4	+42 41	7.3	7.98	3270,3602	02,*03*
2065	31.4	− 8 5	6.3	6.43	3238,3241,3249	*07*,03,04
1999	31.4	−14 16	6.9	5.44	3249,4348,4349	*31*,18,14
4603	31.4	−26 24	7.0	6.51	3248,3251,3955	*15*,*04*,19

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4566	31.4	−28 9	5.3	*4.52*		. *05*,05
1452	31.7	+50 44	7.2	6.84	3274,3602,3959	*14*,*04*,18
1735	31.7	+22 34	7.1	6.94	3262,3272,4000	13,*17*,05
1784	31.7	+19 8	7.0	6.80	2904,3235,3963	*02*,*22*,23
1560	31.8	+33 24	7.0	6.91	3615,3640,4005	15,*08*,*08*
1592	31.8	+32 40	7.5	7.60	3640,4005	08,*07*
2030	31.8	−21 56	6.7	6.47	3248,3251,3955	08,*08*,00
1092	31.9	+57 29	7.5	7.92	3602,4327,4345, 4347	28,16,*46*, 04
1744	31.9	+42 42	7.5	7.86	3270,3602	04,*05*
1745	31.9	+42 40	7.5	7.52	3270,3602	*02*,02
1662	32.0	+35 17	5.8	5.52	3269,4333,4345	*12*,09,03
3953	32.0	−33 10	7.5	7.12	2912,3239,3604	01,01,*01*
4291	32.1	−27 17	7.5	7.29	3248,3251	05,*05*
1727	32.2	+24 36	7.0	6.31	3276,4333,4345	16,06,*21*
1712	32.2	+14 34	6.5	6.60	3963,3979	*04*,04
1713	32.2	+14 17	6.5	6.69	3963,3979	*14*,14
1979	32.3	− 3 53	5.3	5.29	3241,4348,4349	01,*09*,08
1967	32.3	−19 29	5.8	5.67	3246,4348,4349	*24*,22,01
4775	32.3	−25 6	7.3	6.61	3248,3251,3955	*21*,11,11
3709	32.4	−37 13	7.5	7.09	3221,3223,3604, 3607,3615,3955, 3980,3983	*02*,53,*02*, *23*,*18*,06, 07,*20*
1720	32.5	+ 2 9	7.5	6.78	2904,3235,3949	*06*,*15*,20
1093	32.6	+57 18	6.3	6.27	3274,3602,4327, 4345	*07*,02,11, *07*
1911	32.6	+40 53	7.3	7.38	3641,3643	*05*,06
1649	32.6	+34 49	5.0	*5.05*		02, . *02*
2039	32.7	−21 10	7.0	6.72	3248,3251,3955	05,*11*,06
436	32.8	+69 34	6.8	*7.29*		A . .
2082	32.9	− 7 30	7.1	7.11	3238,3241	05,*05*
4655	32.9	−26 35	7.1	6.83	3248,3251,3955	*07*,*16*,23
2207	33.0	− 6 44	6.8	6.72	3238,3241,3999	*14*,*04*,17
4310	33.0	−27 12	7.5	7.00	3248,3251,3955	*06*,*06*,11
1730	33.1	+24 28	7.0	5.96	3276,4000,4000, 4005,4005,4015, 4015,4017,4017, 4018,4018,4333, 4333,4345,4345	*09*,02,13, *11*,01,*11*, *05*,11,18, *18*,04,15, 15,*09*,*20*
2053	33.1	−14 13	7.5	6.42	3249,3262,3615, 3646,3655	*29*,27,*07*, 07,00
5791	33.1	−23 33	6.9	6.30	3248,3251,3955	02,*06*,03
2088	33.2	− 7 54	7.1	6.92	3238,3241,3999	*16*,04,13
1699	33.3	+41 24	6.6	6.73	3602,3612,3959	*04*,*01*,04
1831	33.4	+ 8 12	7.8	7.22	3235,3236,3238	03,04,*07*
2026	33.4	+ 0 44	7.3	6.90	3949,3963	*06*,06
2137	33.4	−10 24	7.1	*7.31*		A . .
1803	33.5	+38 34	5.9	*5.80*		. . A
1599	33.5	+32 14	7.0	6.14	3640,3643,4005	09,03,*12*
1866	33.5	+20 22	7.5	*7.45*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1950	33.6	−15 49	7.2	7.36	3246,3249,3615, 3646,3655,3957, 3999,4000	43,*35*,*13*, *04*,00,*06*, *03*,16
3755	33.6	−34 44	4.8	4.52	3247,3248,3281, 3615,3955,3980, 3983,3984,3991, 3994,3995,4331, 4334	12,*15*,22, *15*,10,*35*, 26,04, R, *08*,16,*21*, 10
3444	33.6	−39 58	7.2	6.98	2892,2895,3604, 3607,3955,3980, 3983,4334,4348, 4352	*29*,20,07, *08*,02, R, 26,*20*,05, 00
1296	33.7	+46 51	7.3	7.91	3602,3612,3614	16,*08*,*09*
1701	33.7	+17 55	5.4	*5.27*		. . A
1733	33.7	+ 9 9	7.5	7.40	3235,3236	05,*04*
1837	33.7	+ 8 4	8.3	7.80	3235,3239	05,*05*
1214	33.8	+55 0	6.7	6.87	3959,3969	*09*,09
1561	33.8	+48 22	5.8	5.70	3270,4327,4345	10,05,*16*
3755	33.8	−36 11	7.5	7.15	2892,2895,3604	*16*,13,03
3760	34.0	−35 3	7.3	6.68	2892,2895,3604, 3607,3615,3955, 3980,3983	53,00,*06*, *08*,*36*,*21*, *05*,23
1739	34.1	+ 5 29	1.0	0.45	2904,3949,4347, 4352	T,25,*03*, *22*
4828	34.1	−25 8	5.4	4.76	3248,3251,4334	*06*,06,*01*
4833	34.1	−31 54	7.0	6.62	2912,3239,3240	*10*,08,03
3736	34.2	−37 47	7.0	6.42	2892,2895,3604	*04*,08,*05*
1841	34.3	+ 8 4	8.3	7.90	3236,3238	06,*05*
4838	34.3	−31 13	7.2	7.17	2912,3239,3607	*12*,05,06
1103	34.5	+58 57	5.0	4.92	3274,4327,4345	*32*,30,03
4703	34.5	−26 5	7.4	7.00	3248,3251,3955	*02*,*11*,14
2039	34.7	−11 20	7.5	7.00	3249,3262,3957	*25*,12,14
1946	34.7	−18 27	7.3	6.44	3246,3249,3957	*01*,*17*,18
4707	34.7	−26 34	4.0	*3.79*		. *03*,03
1742	34.8	+ 5 28	7.5	5.81	2904,3235,3949	*19*,12,08
2069	34.9	−16 37	6.3	6.52	3246,3249,4005	*03*,*21*,24
1780	35.0	+23 16	6.0	*6.26*		. . A
2001	35.0	− 3 21	7.7	7.25	3238,3241	05,*05*
3463	35.0	−39 45	7.0	6.84	2892,2895,3604, 3615	*12*,16,04, *06*
1721	35.1	+13 59	6.5	6.56	3963,3979	*10*,11
1966	35.1	−15 36	7.5	*7.25*		A . .
3773	35.1	−36 16	6.3	5.69	3281,3589,3604	09,05,*13*
3521	35.1	−38 33	7.0	6.38	2895,3245,3247, 3604	*18*,02,16, 00
1105	35.3	+59 31	7.5	*7.61*		A . .
4722	35.3	−26 38	6.9	6.23	3245,3248,3955	*08*,*07*,16
4723	35.4	−26 41	7.2	6.74	3245,3248,3955	11,*18*,07
1751	35.6	+22 21	7.5	7.39	3262,3267,3269, 3270,3272,4015,	*02*,09,18, *12*,*12*,*01*,

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
					4015,4017,4017,	*04*,*17*,*02*,
					4018,4018,4354,	10,08,*11*,
					4354,4355,4355,	10,*01*,04,
					4357,4357	00,03
2118	35.7	− 7 57	6.3	5.99	3238,3241,3999	*13*,07,06
2054	35.7	−11 31	6.9	6.61	3249,3262,3951	04,01,*04*
4674	35.7	−28 57	7.2	7.34	3245,3248	*16*,16
2082	35.8	−15 2	5.4	5.34	3249,3957,3999	07,00,*08*
2003	35.8	−19 26	6.4	6.23	3262,4349,4352	08,*21*,12
1549	36.0	+30 24	7.0	*7.11*		A . .
4266	36.0	−32 20	7.5	7.52	3218,3239,3607,	15,06,*04*,
					3615	*19*
3531	36.0	−38 4	5.4	4.89	3274,3983,3984,	*06*,*03*,06,
					3994,4331,4334,	01,05,*36*,
					4346,4354,4374	04,17,10
2069	36.1	−21 49	7.3	7.14	3248,3267,3607	01,07,*08*
4737	36.1	−29 56	7.5	7.19	3245,3248	*07*,07
1657	36.2	+34 14	6.5	*6.00*		*08*,07
3767	36.2	−37 54	6.6	5.63	3274,3983,4334,	03,*01*,*13*,
					4346	10
1737	36.3	+13 44	6.5	6.10	3235,3236,3963	*02*,*02*,03
1758	36.3	+ 3 52	7.0	5.87	2904,3235,3949,	*05*,06,12,
					3963	*12*
2072	36.3	−21 42	8.7	8.47	3258,3267,3269,	03,*16*,*03*,
					4357,4357,4359,	01,07,08,
					4359,4360,4360,	18,*07*,00,
					4363,4363	06,*19*
3768	36.3	−38 1	6.5	5.72	3281,4334,4346	34,*18*,*15*
335	36.4	+74 17	7.3	7.14	3258,3267	00,00
592	36.4	+65 24	7.3	7.00	3959,3969	*01*,00
1729	36.4	+14 26	6.0	5.79	3963,4347,4352	*20*,03,18
3770	36.4	−37 20	6.7	6.01	2895,2912,3604,	34,03,*26*,
					3955,3980,3983,	09,*24*,18,
					4334,4346,4348	13,*29*,*01*
1460	36.5	+50 40	5.8	5.45	3283,3632,4327	05,*15*,11
2172	36.5	− 9 19	4.0	*4.10*		00,00
4751	36.5	−29 51	7.8	6.85	3245,3248,3955	00,03,*03*
4752	36.5	−29 49	8.1	7.42	3245,3248	*07*,06
438	36.6	+69 24	7.2	*7.19*		A . .
4393	36.7	−27 42	7.0	*6.64*		. 11,*11*
474	36.8	+70 27	6.8	*7.14*		A . .
1666	36.8	+44 2	7.0	7.19	3612,3614,3614	07,*14*,08
1754	36.8	+22 27	7.0	7.12	3262,3272	05,*05*
4906	36.9	−31 16	8.7	8.06	3271,3272,3276,	09,02,09,
					4360,4360,4363,	*05*,*09*,*21*,
					4363,4366,4366	*14*,14,19
3481	36.9	−39 11	7.1	6.60	2895,2912,3604	10,*16*,07
1590	37.0	+29 7	5.0	*4.40*		. . A
4910	37.0	−31 25	7.0	6.77	3218,3247,3271,	05, R,*02*,
					3271,3272,3272,	08,01,*09*,

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
					3607,3615	06,*10*
593	37.1	+65 42	6.2	6.14	3267,3959,4327	*17*,11,06
1476	37.1	+45 36	7.5	7.61	3612,3632	*14*,14
2077	37.1	−22 6	6.8	6.43	3248,3267,3592	12,*12*,00
733	37.4	+63 4	7.0	*6.35*		. A .
1756	37.4	+22 39	6.8	6.34	3262,3272,4000,	13,03,*06*,
					4005	*08*
1986	37.5	−22 10	7.7	6.79	3248,3267,3592	*04*,*08*,12
649	37.7	+64 17	7.1	6.79	3258,3267,3959	*02*,*02*,05
1569	37.7	+48 38	7.3	7.60	3612,3632	*08*,09
1987	37.7	−15 50	7.0	7.20	3246,3249	*11*,11
3556	37.8	−38 18	6.2	5.51	3251,3281,3604,	*24*,29,*10*,
					3980,3984,3994,	21,07,07,
					4331,4354,4374	22,*11*,*45*
1755	37.9	+24 29	7.9	6.96	4000,4005	11,*10*
1218	38.0	+55 54	7.3	7.35	3274,3283	*05*,05
2054	38.0	+ 0 26	6.5	6.38	3963,3979	05,*04*
3498	38.0	−40 2	7.5	7.98	3221,3223,3955	*05*,20,*14*
1633	38.1	+26 1	6.3	5.47	3262,3271,3272	13,03,*17*
1759	38.1	+ 5 11	7.1	6.73	3963,3979	11,*11*
1998	38.2	+39 50	6.8	6.68	4005,4012	00,00
2028	38.2	− 3 54	7.5	7.10	3238,3241	*10*,10
4805	38.2	−29 57	7.0	6.73	3245,3248,4334,	*21*,03,20,
					4346,4348	*11*,08
4940	38.2	−31 50	7.5	7.01	3218,3239,3607	09,09,*19*
1759	38.4	+24 38	3.7	3.62	3276,4333,4347	28,*04*,*24*
1890	38.4	+20 27	7.5	7.32	3271,3272	*05*,05
2093	38.4	−16 49	6.8	6.65	3246,3249,3951	*19*,14,04
1801	38.5	+23 35	7.0	*7.76*		. A .
2062	38.5	− 4 26	7.1	6.97	3238,3241,3951	*29*,01,29
3564	38.5	−38 18	7.1	6.24	2895,2912,3604	08,05,*12*
1351	38.6	+51 16	7.5	7.06	3274,3283,3959	*26*,04,22
2063	38.6	− 4 28	6.9	6.83	3238,3241	*05*,05
2091	38.6	−21 45	7.3	6.93	3248,3267,3955	12,*22*,10
1750	38.7	+13 7	7.0	6.50	3235,3236,3963	*02*,*02*,03
4824	38.7	−26 7	6.5	5.72	3955,4334,4346	*10*,15,*04*
2191	38.8	− 9 54	7.5	*7.64*		A . .
257	38.9	+81 36	7.2	*7.13*		A . .
1761	38.9	+ 2 39	7.2	6.34	2904,3235,3963	08,*01*,*08*
2001	39.0	+39 47	7.4	*7.07*		A . .
1805	39.0	+23 15	7.5	7.52	3271,3272	15,*15*
4446	39.0	−27 26	7.2	6.92	3245,3248,4334	*10*,*08*,18
3575	39.1	−38 58	7.5	7.03	3218,3221,3604,	09,29,*11*,
					3607	*26*
1463	39.2	+28 16	1.3	*1.26*		. 00,*01*
1893	39.2	+20 33	6.5	*6.28*		A . .
1082	39.3	+60 33	7.0	6.86	3274,3283,3959	*10*,02,07
4966	39.4	−25 16	7.0	6.46	3245,3248,3955	*16*,04,11
4767	39.5	−28 10	5.0	*4.80*		. 10,*10*
4069	39.5	−33 34	7.7	7.44	3218,3239,3592,	18,09,*27*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3607	*02*
3809	39.5	−35 49	6.2	5.66	3267,3274,3276, 3281,3972,3994, 3995,4331,4334, 4374	45,19,*04*, 19,*03*,*18*, *16*,*31*,*03*, *04*
3583	39.6	−38 38	7.1	6.73	2895,2912,3604	25,*20*,*05*
4774	39.8	−28 43	4.2	*4.06*		. 09,*10*
238	39.9	+80 31	6.5	*6.52*		*02*, . 03
R	39.9	−44 55	. .	5.34	3247,4354,4355, 4357	*02*,06,*13*, 08
1769	40.0	+37 46	5.3	*5.40*		. . A
1484	40.1	+47 36	7.3	7.65	3612,3632	*15*,15
1808	40.2	+23 48	8.0	7.40	4012,4012,4015, 4015,4017,4017, 4354,4354,4355, 4355,4357,4357	*10*,*17*,07, *07*,*03*,14, *11*,*04*,02, 15,07,12
2075	40.2	− 4 13	7.2	6.93	3238,3241,3951	*05*,*05*,09
3820	40.2	−37 58	7.0	6.40	2895,3218,3604, 3955,3980,3983	38,18,*22*, *11*,*17*,*03*
3377	40.2	−40 42	5.8	5.15	3994,4331,4354	09,*08*,00
1679	40.3	+21 22	7.5	7.47	3271,3272	20,*20*
1733	40.3	+18 45	5.1	4.98	3963,4347,4352	*14*,*05*,18
4987	40.3	−31 27	7.5	7.44	3218,3239,3592	08,*02*,*05*
5885	40.4	−24 26	6.4	*5.60*		. 06,*06*
3825	40.5	−35 50	6.3	5.78	3218,3276,3972, 3994,4334	15,14,03, *22*,*12*
1679	40.6	+35 12	7.5	*7.52*		A . .
1583	40.8	+33 16	7.5	7.22	3269,3640	*12*,13
1670	40.8	+11 0	5.0	5.25	3231,4347,4352	*10*,10,*01*
2237	40.8	− 5 27	7.0	*7.02*		A . .
1472	40.9	+49 58	7.1	*7.42*		A . .
1673	40.9	+49 37	7.5	*7.77*		A . .
2193	40.9	−14 27	7.0	*5.62*		. 01,*01*
2194	40.9	−14 27	7.0			
3837	40.9	−37 26	8.3	7.95	3221,3592,3955, 3972,3980,4334, 4346,4346,4348, 4354,4354,4357, 4357,4363,4363, 4366,4366,4374, 4374	*01*,*19*, T , R ,31, R , *21*,*12*,02, 14,26,*18*, *18*,10,22, 01,*16*,03, *06*
5910	41.0	−24 25	8.5	7.58	3248,3251	*06*,06
3841	41.0	−37 43	6.8	5.87	3221,3223,3592	*06*,30,*24*
1585	41.1	+33 40	5.3	5.29	3269,3640,3970	01,*07*,06
2281	41.1	− 6 32	5.4	5.78	3951,4348,4349	01,00, R
1576	41.2	+48 2	7.5	8.08	3612,3632	00,*01*
1769	41.2	+23 55	7.8	7.52	4015,4015,4017, 4017,4017,4017, 4018,4018,4354, 4354,4355,4355, 4357,4357	02,05,05, R ,*13*,15, *02*,11,01, *03*,08,*13*, *11*,*07*
2199	41.3	−14 19	6.0	5.03	3997,4348,4349	16,*06*,*11*
382	41.4	+72 4	7.2	7.59	3258,3267	05,*05*
1776	41.4	+ 2 7	7.4	7.42	2904,3231	10,*09*
1084	41.5	+60 34	6.7	6.75	3959,3969	*09*,09
3861	41.5	−37 39	7.3	6.39	3221,3223,3592	*08*,28,*21*
1587	41.7	+33 6	7.3	7.22	3269,3640	08,*07*
1614	41.7	+28 55	7.5	7.65	3271,3276	05,*05*
6155	41.7	−24 1	7.1	6.55	3248,3251,3955	17,*21*,04
3863	41.7	−37 44	3.6	4.00	2912,3223,3239, 3274,3276,3589, 3592,3955,3994, 3997,4334,4346, 4348,4354,4366, 4374	*02*,57,*01*, *21*,*02*,*12*, 17,19,01, *15*,*26*,*10*, *04*,02,*13*, 12
2015	41.8	−23 1	8.2	7.40	3248,3251	03,*04*
2016	41.8	−22 54	7.7	6.88	3248,3251,3980	15,*12*,*04*
2097	41.9	−11 25	7.5	7.74	3249,3262	01,*02*
4113	41.9	−33 59	6.0	5.42	3274,3276,3589, 3969,3997,4334, 4346,4366	09,25,*11*, 06,*17*,06, *04*,*10*
3868	41.9	−37 22	6.8	6.95	2895,3221,3223, 3607	*20*,*08*,37, *09*
3565	41.9	−39 7	7.4	7.01	3223,3239,3607	13,*01*,*11*
1766	42.1	+ 9 13	7.5	6.95	2904,3231,3963	00,00,00
2135	42.1	−12 26	6.8	6.39	3249,3262,3997	16,*17*,00
1615	42.3	+29 1	7.2	6.93	3271,3276,3970	17,*03*,*13*
2181	42.3	−20 36	7.2	*7.24*		A . .
1812	42.6	+23 24	6.5	6.29	3271,3272,4333	*02*,*02*,04
3886	42.6	−37 42	6.6	5.78	3221,3592,3604, 3607,3955,3972, 3980	03,*20*,09, 03,*08*,12, 04
1770	42.8	+13 40	8.9	8.16	4012,4012,4015, 4015,4017,4017, 4017,4018,4018, 4354,4354,4355, 4355,4357,4357	18,*05*,23, 17, R , R , *25*,*07*,06, 04,03,*08*, 10,*13*,*19*
1790	42.8	+ 5 40	7.0	6.95	2904,3231,3235	*10*,00,10
2027	42.9	−22 17	6.3	5.84	3248,3251,3980	*09*,*05*,14
3895	43.0	−37 32	7.2	6.51	3221,3223,3592, 3955,3972,3980	*07*,39,*30*, 06,03,*09*
2049	43.1	−15 44	6.2	*6.56*		04, . *04*
3587	43.1	−39 49	7.0	6.43	3221,3223,3604, 3607,3615,3955, 3972,3980,4334, 4346,4348	*04*,50,*10*, *16*,*24*,*08*, 00, R ,*09*, 02,15
1320	43.2	+46 3	7.1	7.07	3612,3632	*02*,02
2052	43.2	−15 46	6.7	*6.64*		*04*, . 04
240	43.3	+80 7	6.5	*6.92*		*09*, . 09
1177	43.3	+54 23	6.3	6.18	3283,3959,4327	02,*08*,06

7^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1777	43.3	+24 46	7.4	*7.06*		A . .	2247	45.1	−13 50	7.2	6.64	3249,3262,3997	*01*,15,*13*
2106	43.3	−11 57	6.0	*5.63*		. . A	2146	45.1	−16 59	5.0	*5.42*		. . A
429	43.4	+71 21	6.8	7.17	3258,3267	*10*,10	6030	45.1	−24 37	3.5	3.51	3245,4334,4346	*11*,10,02
1226	43.4	+55 0	7.1	*7.36*		A . .	1624	45.2	+29 26	7.2	6.98	4000,4001,4005	11,03,*14*
1772	43.4	+13 38	6.5	6.25	3235,3236,3963	13,*07*,*07*	2083	45.3	−19 16	6.8	*6.80*		A . .
2305	43.4	− 6 31	7.1	6.93	3238,3241,3997	05,*05*,*01*	3939	45.3	−37 57	7.5	7.15	3221,3223,3607	*07*,29,*21*
1949	43.5	+40 2	7.0	6.98	3970,4001,4005,	13,*47*,06,	385	45.4	+72 7	7.0	7.24	3258,3267	10,*10*
					4333,4352,4354	15,23,*07*	2096	45.4	− 8 56	5.5	*5.82*		. . A
303	43.6	+77 50	7.0	6.78	3258,3267,3959	*04*,*04*,09	2085	45.4	−19 57	6.9	*6.48*		A . .
599	43.6	+65 10	7.5	*7.60*		A . .	1072	45.5	+58 29	7.5	7.35	3274,3283	*15*,15
1113	43.6	+59 45	7.5	*7.21*		A . .	5140	45.5	−30 19	7.4	7.47	3239,3240,3592	00,15,*14*
3874	43.6	−35 50	7.1	6.58	3221,3223,3271,	15,21,08,	*3970*	45.5	−35 0	6.4	5.99	3221,3223,3592	02,*01*,*01*
					3272,3276,3604,	*12*,14,07,	1696	45.6	+36 25	7.0	6.98	3269,3640,3970	*18*,08,11
					3995,3995,3997,	25,02,*06*,	1844	45.6	+ 7 41	7.5	7.25	3231,3235	00,00
					3997,4357,4357,	*13*,01,*11*,	1833	45.6	+ 4 42	7.1	6.60	3963,3979	*01*,01
					4359,4359,4360,	00,*13*,*42*,	1818	45.6	+ 3 32	6.7	6.30	2904,3231,3963	02,*07*,04
					4360,4363,4363	*08*,*06*,21	2087	45.6	− 3 21	7.3	7.05	3238,3241	*05*,05
3595	43.6	−39 5	6.9	6.21	3221,3223,3604	11,*14*,04	1697	45.7	+36 31	7.4	6.97	3269,3640,3970	*07*,*05*,12
1656	43.7	+26 31	7.0	6.82	3271,3276,3970	08,08,*16*	2267	45.7	− 5 34	7.0	*7.50*		A . .
5098	43.7	−30 19	7.5	7.64	3239,3592,3955	*17*,00,18	2089	45.7	−19 17	6.4	*6.40*		A . .
3647	43.7	−38 52	7.5	7.10	3221,3223,3604	*05*,10,*05*	2108	45.8	+ 0 19	6.5	6.61	3963,3979	*04*,04
1482	43.8	+28 27	7.3	6.65	3271,3276,4000	*05*,05,00	6310	45.8	−23 33	7.3	6.64	3245,3248,3980,	*02*,08,*20*,
1826	43.8	+ 4 34	7.1	6.62	3963,3979,3980	B,25,*24*						3983	12
5081	43.9	−25 42	5.3	*4.55*		. 00,00	*4451*	45.8	−33 8	6.3	5.69	3239,3240,3592	*13*,12,00
3650	43.9	−38 16	5.9	5.06	3276,3589,3969,	13,*08*,*09*,	2018	46.0	+39 47	7.4	*7.09*		A . .
					3980,3997,4346,	11,00,*05*,	*3653*	46.0	−40 0	7.3	7.40	3221,3223,3607	*07*,18,*10*
					4366	*03*	*386*	46.1	+71 57	7.3	7.52	3258,3267	*05*,05
1762	44.0	+14 24	7.5	7.83	3235,3236	05,*05*	1854	46.1	+19 35	6.5	6.18	3235,4347,4352	10,*17*,*08*
1763	44.0	+14 6	7.5	7.63	3235,3236	*05*,05	2253	46.1	−10 53	6.0	*6.32*		02, . *01*
1775	44.0	+13 3	7.5	6.52	3235,3236,3963	16,*24*,09	3924	46.1	−35 51	7.1	6.97	3221,3223,3607	*04*,12,*08*
1672	44.2	+15 22	7.4	*7.84*		A . .	1327	46.2	+46 1	7.2	7.57	3612,3632	*09*,09
1110	44.3	+57 17	7.5	7.50	3274,3283	00,00	*1230*	46.3	+54 58	7.0	*7.21*		A . .
2237	44.3	−10 55	6.8	*6.80*		A . .	1808	46.5	+ 2 1	5.7	5.08	3235,3236,4347	05,*05*,01
2130	44.3	−21 45	7.5	7.32	3248,3251	03,*03*	2254	46.5	− 9 9	7.2	6.66	3238,3241,3997	00,00,00
2239	44.4	−10 14	7.0	*7.41*		A . .	2334	46.6	− 6 44	7.5	7.38	3238,3241	10,*10*
1228	44.6	+55 29	6.5	*6.24*		*08*, . 09	*2185*	46.6	−18 0	6.5	6.66	3246,3249,3997	00,13,*13*
1784	44.6	+37 21	6.8	6.70	3269,3641,3970	10,*16*,06	3933	46.6	−35 32	7.5	7.35	3221,3223,3607	*09*,07,02
1601	44.6	+33 30	6.5	6.02	3269,3640,3970	08,00,*09*	960	46.7	+62 17	7.5	7.29	3267,3632	08,*08*
1785	44.6	+24 25	7.4	*7.01*		A . .	*3935*	46.7	−36 0	7.5	7.05	3221,3223,3607,	35,*19*,*18*,
1676	44.7	+31 52	7.0	6.85	3269,3640,3970	*05*,13,*07*						3955,3972,3980	*13*,11,05
5126	44.7	−30 31	7.3	7.06	3239,3240,3592,	49,*26*,*13*,	6060	46.8	−24 17	7.0	6.42	3615,3628,3980	*09*,05,05
					3607,3615,3955,	06,*07*,*11*,	1824	46.9	+ 3 32	7.5	6.59	2904,3231,3963	13,*16*,04
					3972,3980	04,*03*	*3940*	46.9	−36 0	7.5	7.90	3221,3223,3607	20,*24*,04
1480	44.8	+49 55	7.5	*8.17*		A . .	2179	47.0	−12 34	7.0	*6.46*		. A .
1323	44.8	+46 12	6.8	6.53	3612,3632,3969	*16*,03,14	1803	47.1	+22 36	6.8	*7.12*		. A .
4973	44.8	−30 1	7.5	7.60	3239,3240,3592	*13*,12,01	2267	47.1	−13 38	5.7	*5.30*		. 04,*03*
5096	44.8	−31 22	7.1	6.71	3239,3240,3607	01,*03*,02	1498	47.2	+47 38	6.1	*6.43*		. . A
2164	44.9	−13 6	6.8	6.12	3249,3262,3997	11,*03*,*07*	1497	47.2	+28 18	7.1	6.74	3271,3276,4000	06,*04*,*01*
6022	44.9	−24 40	5.8	5.32	3245,3248,3980	08,*12*,03	2322	47.2	− 2 48	6.7	6.86	3238,3241,3997	*06*,04,01
1676	45.0	+15 6	7.3	*7.24*		A . .	1485	47.3	+50 2	7.5	*7.82*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
1499	47.4	+47 49	5.5	5.73	3270,3602,4327	*03*,01,01	*2065*	49.4	−23 3	7.4	6.71	3245,3248,3980	04,*08*,05
1499	47.4	+27 1	5.0	4.90	3269,3271,3276	*10*,10,00	2066	49.4	−22 56	7.5	7.09	3245,3248	06,*06*
2235	47.4	−20 55	5.6	5.91	3983,4334,4346	*12*,03,09	4264	49.4	−33 47	7.3	7.30	3239,3240,3592	01,07,*07*
1688	47.5	+15 38	7.4	7.83	3235,3236	*05*,05	4053	49.4	−34 41	7.3	6.62	2890,3239,3592	04,04,*08*
1827	47.5	+ 3 38	8.0	6.99	2904,3624,3963	03,*10*,07	3989	49.4	−36 6	6.0	5.66	3246,3957,3959,	*02*,03, R,
2236	47.5	−20 28	7.4	6.83	3980,3983	*13*,13						3963,3969,4346	*13*,15,*02*
1795	47.6	+37 0	7.3	7.12	3640,3641	07,*08*	1712	49.5	+12 50	7.3	7.13	3235,3236	*15*,15
1780	47.7	+42 3	7.5	7.68	3270,3602	12,*13*	1712	49.6	+34 38	7.3	*7.32*		A . .
1696	47.7	+17 6	7.2	7.53	3235,3236	05,*05*	2341	49.6	− 2 32	7.2	7.15	3238,3241	*05*,05
2280	47.8	− 5 10	5.7	5.78	3262,4348,4349	09,*04*,*05*	*2219*	49.6	−18 4	7.0	7.12	3246,3249	04,*03*
2250	47.8	−14 36	6.3	*5.70*		06, . *05*	*5234*	49.6	−26 0	7.3	7.12	3245,3247	*04*,04
5041	47.8	−30 4	7.5	7.88	3239,3240,3592	09,*06*,*04*	1946	49.8	+20 9	6.0	5.25	4005,4333,4347	25,*03*,*23*
2270	47.9	−13 36	7.2	6.87	3249,3262,3997	06,12,*18*	5161	49.8	−26 5	7.1	7.20	3245,3247,3592,	*02*,56,*37*,
338	48.2	+74 11	5.2	5.54	3216,3217,3231,	*29*,*01*,00,						3607,3615,3980,	18,*17*,*10*,
					3238,3245,3246,	*29*,*09*,08,						3983,3988	*16*,10
					3249,3256,3258,	17,*09*,*10*,	3997	49.9	−36 41	7.5	7.41	3221,3223,3615	14,10,*24*
					3262,3267,3270,	11,00,30,	1612	50.0	+30 7	7.0	6.86	3643,4333,4347	18,00,*18*
					3271,3272,3274,	10,11,09,	*1794*	50.0	+24 56	7.5	*7.66*		A . .
					3276,3281,3283,	*01*,09,01,	1815	50.0	+ 9 7	7.0	5.76	3235,3979,4347	*01*,09,*07*
					3288,3589,3592,	01,*18*,08,	*1805*	50.1	+23 59	6.8	*7.50*		A . .
					3602,3611,3612,	*02*,06,*02*,	*1806*	50.1	+23 54	6.7	6.53	4000,4001,4005,	10,*04*,*04*,
					3614,3624,3633,	*09*,*08*,10,						4012	*01*
					3647,3650,3655,	06,16,*08*,	*1648*	50.2	+31 58	7.2	7.54	3640,3643	*06*,06
					3949,3954,3956,	08,*06*,13,	4706	50.3	−27 51	7.5	6.51	3245,3247,3980	*01*,09,*08*
					3959,3963,3969,	02,*31*,20,	4002	50.5	−35 37	6.1	5.37	3246,3592,3957,	24,*06*, R,
					3970,3972,3975,	*18*,11,20,						3959,3963,3994,	R,15,*07*,
					3979,3983,3994,	*03*,19,*22*,						3994,3995,3995,	13,08,*05*,
					3995,3997,3999,	*05*,03,*12*,						3997,3997,4346,	04,*11*,*07*,
					4001,4005,4012,	*28*,*04*,24,						4355,4355,4359,	02,13,22,
					4015,4016,4327,	*40*,*26*,15,						4359,4360,4360,	*21*,*26*,*29*,
					4331,4333,4345,	*03*,24,*22*,						4363,4363	14,05
					4347,4348,4349,	00,22,*18*,	2294	50.7	−10 24	7.5	*7.36*		A . .
					4352,4354,4358,	10,*08*,24,	1717	50.8	+11 7	7.3	7.56	3235,3236	*01*,00
					4360,4366,4367	10,02,*02*	6465	50.8	−23 12	7.5	6.87	3245,3248,3980	18,*14*,*04*
1580	48.3	+16 18	7.0	7.08	3235,3236	*20*,20	4091	50.9	−34 35	6.8	6.30	2890,3239,3592,	*04*,*04*,02,
1253	48.4	+56 46	7.0	*6.49*		. A .						3592	07
1714	48.4	+21 22	7.2	7.01	3271,3641,4000	06,*11*,06	2082	51.0	−18 47	7.2	6.77	3246,3249,3997	*14*,20,*07*
1601	48.5	+30 37	7.5	7.80	3640,3641	02,*02*	5226	51.0	−31 16	7.0	7.02	3239,3240,3592	*20*,26,*07*
4036	48.5	−34 28	5.7	5.09	3957,3969,4346,	*12*,05,07,	606	51.1	+65 2	7.1	*7.33*		A . .
					4355,4366	07,*05*	2133	51.1	−15 19	7.1	*7.05*		A . .
3579	48.8	−40 19	4.0	3.87	3589,3957,4355,	*08*,21,08,	*1622*	51.2	+32 56	7.3	6.94	3640,3643,3970	*08*,02,07
					4366	*21*	1860	51.2	+ 4 44	7.0	6.24	3963,3979	*12*,12
1500	49.0	+28 39	7.3	7.23	3271,3641	17,*17*	1693	51.3	+44 15	6.5	6.42	3969,4000	*03*,04
265	49.1	+79 45	5.8	5.42	3267,3274,4327	00,*23*,24	1724	51.3	+21 14	7.5	7.04	3271,3641	03,*03*
2031	49.1	+39 33	7.0	7.04	4333,4347	09,*09*	1590	51.3	+16 3	6.0	*5.99*		. . A
1705	49.1	+35 41	6.5	6.16	3970	A	2217	51.3	−12 21	6.8	6.79	3249,3262,3997	16,*07*,*10*
1778	49.1	+18 21	7.0	7.43	3235,3236	*05*,05	5275	51.3	−30 39	7.0	6.70	3240,3245,3247,	10,*10*,*08*,
3769	49.1	−38 36	4.9	4.53	3955,3957,3963,	*03*,33, R,						3248,3592	14,*07*
					4346,4355,4366	*14*,03,*17*	3816	51.3	−38 9	7.3	7.16	3221,3223,3615	10,*05*,*05*
5183	49.3	−31 33	7.5	7.46	2890,3239,3592	*11*,06,06	2264	51.5	− 7 44	7.3	7.66	3238,3241	10,*10*

7^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	51.5	−22 16	R	R		
6190	51.5	−25 1	8.1	8.01	3248,3251,3628, 3632,3633	29,*29*,*14*, 08,07
5281	51.5	−30 5	7.5	6.94	3240,3245,3592	*02*,08,*05*
1694	51.6	+48 53	7.3	7.42	3612,3632	*06*,07
1754	51.7	+43 47	7.5	7.04	3270,3612,3969	*04*,*05*,08
1824	51.8	+ 8 54	6.0	5.99	3963,4347,4352	14,06,*20*
1498	51.9	+50 37	7.5	7.55	3274,3283	*05*,05
2129	51.9	− 3 11	7.5	7.74	3633,3997,3999, 4000	11,*07*,*09*, 03
2143	52.0	−15 15	7.2	*7.35*		A . .
2284	52.0	−20 12	7.1	6.65	3980,3983	04,*04*
1876	52.1	+ 7 6	7.5	7.30	3231,3235	*05*,05
1959	52.1	+ 1 25	6.5	6.44	3235,3236,3963	*01*,*01*,01
2229	52.1	−12 40	7.5	7.34	3249,3262	21,*22*
4751	52.1	−27 55	7.8	7.16	3247,3248	04,*04*
2206	52.2	−16 16	7.0	7.19	3249,3262	*08*,08
1864	52.3	− 0 21	7.5	*7.03*		A . .
5189	52.4	−30 1	6.8	6.24	3240,3245,3592	18,*02*,*15*
113	52.5	+86 0	7.2	*7.34*		A . .
2273	52.5	− 7 32	7.3	7.46	3238,3241	00,00
1510	52.6	+46 53	7.5	7.84	3612,3632	*03*,04
2087	52.6	−22 37	4.3	4.33	3251,4334,4346	13,*08*,*05*
1879	52.7	+ 7 29	6.8	6.24	3231,4347,4352	*09*,*11*,20
1724	52.8	+34 10	7.5	7.79	3640,3643	*07*,07
1598	52.8	+16 46	6.0	*6.04*		. . A
1722	52.9	+34 58	7.0	*7.67*		A . .
1130	53.0	+59 20	6.0	5.82	3281,3283,4327	08,*12*,04
169	53.1	+84 21	6.0	*6.34*		07, . *06*
1105	53.2	+60 36	6.1	*6.02*		*06*, . 05
1833	53.2	+ 2 29	6.0	*5.49*		. . A
4128	53.2	−34 7	7.5	7.05	3240,3247,3607, 3615,3628,3955, 3972,3980	*10*,43,08, *22*,01,05, *11*,*11*
1764	53.3	+41 41	7.0	7.70	3270,3281	*20*,20
1860	53.3	+ 3 12	7.5	6.53	3231,3235,3963	*10*,*10*,19
4612	53.3	−32 59	7.5	7.15	3240,3247,3607	*04*,09,*06*
1188	53.4	+54 43	6.7	6.98	3969,3979	*01*,01
1726	53.4	+36 21	6.8	6.53	3640,3643,3970	02,05,*07*
1928	53.4	+ 8 44	7.5	7.39	3628,3979	*08*,08
1840	53.5	+ 5 54	7.4	*6.78*		. A .
1021	53.6	+61 16	6.5	6.70	3267,3274,3969	07,*14*,08
749	53.7	+63 21	6.0	6.06	3217,3230,3231, 3238,3246,3249, 3262,3267,3269, 3270,3271,3272, 3274,3276,3281, 3283,3288,3289, 3589,3611,3612, 3624,3632,3636, 3640,3647,3655, 3949,3951,3954, 3959,3963,3969, 3970,3975,3979, 3983,3984,3994, 3995,3997,4001, 4012,4015,4016, 4018,4325,4327, 4338,4345,4346, 4347,4348,4349, 4352,4354,4355, 4360,4366,4367	10,*39*,*09*, 02,*10*,00, 12,21,*18*, 01,*09*,*08*, *20*,*09*,*10*, 12,21,21, *09*,07,02, *21*,27,*12*, *03*,00,*16*, 11,02,00, 23,*22*,*01*, *02*,05,*08*, 17,26,*06*, *02*,*03*,13, 17,*18*,05, *08*,*02*,*03*, 30,*07*,*12*, *11*,*15*,19, *07*,03,06, *12*,08,14
5236	53.7	−30 4	5.5	4.84	3245,3246,3249, 3592,3628,3957, 3959,3963,4367	08,*02*,18, *12*,*04*,23, R ,*26*,*08*
R	53.7	−43 14	. .	5.34	3247,3249,3963, 4355,4357	26,*14*,*05*, *16*,09
1863	53.8	+23 28	7.3	6.86	3271,3641,4000	*09*,*12*,21
607	53.9	+65 25	7.0	7.56	3267,3274	11,*10*
1811	54.0	+18 30	6.5	6.20	3235,3236,3963	*02*,18,*17*
2151	54.0	− 4 3	7.0	6.77	3238,3241,3997	*09*,21,*11*
R	54.1	−43 50	. .	5.09	3249,3269,3963, 3975,4355	*12*,14,24, *19*,*09*
1978	54.2	+40 11	7.5	*7.67*		A . .
2161	54.2	−15 23	7.5	*7.70*		A . .
517	54.3	+67 57	7.5	7.82	3267,3274	15,*16*
1664	54.3	+29 31	7.5	7.01	4000,4001,4005	13,*10*,*03*
2224	54.3	−16 47	7.3	7.76	3249,3262	*07*,08
1118	54.5	+57 33	6.5	*6.50*		. . A
4814	54.5	−27 18	7.5	7.14	3248,3251	10,*10*
1769	54.6	+41 9	7.4	7.55	3270,3281	*05*,05
4363	54.6	−33 20	7.5	7.22	3240,3247,3607	*03*,00,02
1771	54.7	+41 41	7.0	7.20	3270,3281	*10*,10
1896	54.7	+19 7	7.0	6.90	3235,3236,3963	*22*,18,04
R	54.7	−45 18	. .	5.94	3269	A
2157	54.8	− 3 24	4.9	5.11	3241,3633,4348	09,08,*16*
2104	54.8	−23 2	6.2	*5.24*		. *05*,06
1190	54.9	+54 25	7.3	*7.46*		A . .
1812	54.9	+25 40	6.5	6.10	3271,4000,4333	00,04,*03*
4067	54.9	−36 45	7.3	6.99	3221,3223,3607, 3615,3628,3955, 3972,3980	33,*31*,*06*, *17*,04,03, *07*,20
1976	55.0	+20 5	7.0	*6.28*		*08*, . 09
1816	55.0	+18 31	7.2	7.13	3235,3236	15,*15*
1816	55.0	+12 55	7.3	6.68	3235,3236,3963	00,00,*01*
394	55.1	+72 4	7.3	7.38	3267,3274	16,*15*
1984	55.1	+40 26	7.5	7.96	3640,3643	01,*01*
1866	55.1	+23 53	6.5	6.42	3271,3641,4000	05,*11*,05
1731	55.1	+17 35	5.8	5.68	3963,4347,4352	04,*14*,09
1701	55.3	+44 17	7.5	7.85	3270,3281	*15*,15

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1597	55.4	+48 53	7.0	7.58	3281,3612	12,*12*
1731	55.4	+35 41	6.5	*6.27*		A . .
1817	55.4	+12 57	7.4	6.63	3235,3236,3963	*05*,*05*,09
2118	55.4	−18 7	5.3	*4.65*		. 09,*09*
2166	55.5	− 4 36	7.0	7.08	3238,3241	10,*10*
4120	55.5	−37 47	7.5	7.09	3221,3223,3239,3607	02,*02*,10,*09*
2237	55.6	−16 41	7.0	7.09	3249,3262	*08*,08
1816	55.7	+25 22	7.0	6.25	4000,4333,4347	04,04,*07*
1612	55.8	+16 43	6.4	*5.91*		. 00,00
1945	55.8	+ 8 40	7.5	7.40	3231,3235	*15*,15
2379	55.8	− 2 36	6.8	6.19	3238,3241,3997	01,01,*01*
1857	55.9	+ 5 9	6.5	5.60	3231,4347,4352	*17*,04,13
2240	55.9	−16 45	7.5	7.39	3249,3262	12,*12*
1348	56.0	+45 53	7.3	8.16	3281,3612	04,*03*
5390	56.0	−30 6	7.4	7.53	3240,3245,3607	09,*21*,13
3908	56.0	−39 1	5.9	5.28	3239,3246,3249,3959,3963,3975,3999,4367	*05*,09,05,R,06,*13*,04,*04*
2407	56.1	− 6 8	6.8	6.55	3238,3241,3997	13,*07*,*06*
1882	56.2	− 1 7	5.3	4.83	3249,4348,4349	*01*,15,*14*
1614	56.4	+15 56	9.0	8.98	3239,3240	10,*10*
2345	56.4	−13 51	7.5	7.21	3249,3262	*18*,18
2190	56.4	−15 28	7.3	*7.35*		A . .
1843	56.5	+ 9 11	6.7	6.22	3272,4347,4352	02,*18*,16
4094	56.5	−35 43	7.5	7.13	3221,3223,3607	*10*,06,04
4406	56.6	−34 0	7.5	7.42	3607,3615,3628,3632	09,*09*,*07*,09
4411	56.7	−33 51	7.7	7.29	3240,3245,3607	18,*04*,*15*
1242	56.8	+55 2	7.5	*7.46*		A . .
1195	56.8	+53 57	7.0	7.05	3281,3288	05,*05*
1819	56.9	+37 26	6.5	7.12	3640,3643	04,*03*
2186	56.9	− 8 19	7.2	7.21	3238,3241	*05*,05
1707	57.0	+44 8	7.3	7.29	3270,3281,3970	01,01,*03*
1734	57.0	+15 14	6.8	*7.14*		A . .
1748	57.0	+12 44	7.3	7.50	3235,3236	*15*,16
2331	57.0	−14 58	7.3	*7.51*		A . .
1093	57.1	+58 4	7.5	6.85	3281,3283,3969	05,*05*,01
1854	57.1	+ 2 36	5.0	*4.48*		. . A
5436	57.1	−25 8	7.5	7.11	3248,3251	*01*,01
278	57.2	+77 55	7.5	7.94	3258,3267	20,*20*
1735	57.2	+36 38	7.0	6.80	3640,3643	*05*,06
1707	57.2	+26 33	7.5	6.96	3271,3641,4000	04,04,*09*
2189	57.2	− 9 5	7.0	6.92	3238,3241,3997	*26*,14,12
3883	57.2	−39 55	7.5	7.21	3221,3223,3607,3628	*15*,*01*,*08*,24
1532	57.4	+28 4	5.4	5.02	3641,4333,4347	*09*,02,08
2343	57.4	−20 53	7.8	7.89	3248,3251	08,*08*
2339	57.5	− 6 3	6.5	6.28	3238,3276,3988,3997	*10*,17,*04*,*02*
4109	57.6	−35 38	7.7	7.60	3221,3223,3607	26,*18*,*09*
1136	57.7	+59 33	7.0	6.62	3969,3979	*01*,02
1986	57.7	+20 38	7.5	7.09	3271,3641	18,*18*
1636	57.8	+33 19	6.8	6.61	3640,3643,4000	*02*,03,*01*
1744	57.8	+17 9	7.5	7.52	3236,3272	*04*,05
5395	57.8	−26 56	7.3	6.52	3248,3251,3980	04,*05*,00
13	58.0	+88 56	7.0	*7.00*		09, . *08*
1989	58.0	+40 2	6.8	*7.17*		A . .
1845	58.0	+22 21	6.3	*6.85*		. A .
1754	58.0	+12 28	6.9	6.67	3235,3236,3963	08,*11*,02
2341	58.0	− 6 3	7.5	6.78	3238,3241,3988	*20*,20,01
4116	58.0	−37 0	6.6	5.84	2912,3221,3607	*07*,25,*17*
1846	58.2	+21 59	7.8	7.65	3271,3641	02,*02*
4120	58.4	−36 46	6.9	6.41	2912,3221,3607	*11*,01,11
1753	58.5	+21 19	7.0	7.32	3271,3641	05,*04*
4894	58.5	−27 16	7.5	6.85	3248,3251,3980	19,*11*,*07*
1780	58.6	+41 28	7.5	7.64	3612,3624	01,*01*
2329	58.7	− 7 53	7.0	7.35	3238,3241,3628,3633,3646	*29*,21,07,10,*08*
4128	58.9	−36 7	7.1	6.63	2912,3221,3607	*14*,07,06
1911	59.0	+19 7	7.0	6.06	3236,3272,3963	*18*,01,16
1860	59.1	+ 9 34	7.5	*7.37*		A . .
4248	59.1	−34 16	7.5	7.52	3240,3245,3615	33,*20*,*13*
2197	59.2	− 4 32	7.5	7.38	3238,3241	*10*,10
4766	59.2	−32 11	6.6	5.93	3231,3245,3615	05,12,*18*
2362	59.3	−10 9	7.3	*8.06*		A . .
3776	59.3	−41 2	6.2	5.46	3223,3959,3963,3975,3988,3999,4367	56, R,05,*15*,*24*,*03*,*20*
1247	59.5	+55 37	7.5	7.30	3281,3283	*10*,10
1831	59.5	+13 24	5.8	4.99	3235,3963,4347,4347	19,05,*06*,*17*
1740	59.6	+36 35	7.0	6.97	3640,3643,3970,4333,4347,4352	*05*,09,11,04,*19*,00
1536	59.6	+27 49	7.5	6.16	3271,3641,3643,4012,4012,4014,4014,4015,4015,4355,4355,4355,4355,4357,4357,4358,4358	*16*,*14*,00,25,*11*,*03*,00,09,14,*06*,02,*01*,*04*,*03*,*01*,*04*,06
2365	59.7	−21 5	7.3	7.64	3248,3251	*07*,07
2353	59.8	− 5 7	7.0	*7.75*		A . .
3998	59.8	−38 21	7.7	7.89	2912,3221,3607,3955,3980,3983,3988	*30*,34,*15*,*08*,26,05,*14*
497	59.9	+70 0	6.5	6.56	3969,3979	*05*,06
1530	0.0	+47 7	7.3	8.06	3612,3624	*01*,00
2202	0.0	− 3 13	7.0	6.72	3238,3241,3988	*12*,*02*,14
2311	0.0	−17 23	6.8	6.60	3247,3262,3988	*30*,14,16
5383	0.0	−28 53	7.9	7.27	3248,3267	13,*13*

8^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3939	0.1	−39 43	2.5	2.34	3223,3230,3231,	*28,22,06*,
					3288,3607,3628,	22,*15*,08,
					3955,3959,3972,	08, R,*11*,
					3975,3983,3988,	*14,17*,24,
					3999,4360,4367	*09*,50,11
537	0.2	+65 57	7.0	7.32	3258,3274	15,*16*
1770	0.2	+43 34	6.3	6.29	3270,4327,4333	01,12,*12*
2228	0.2	−19 26	6.4	5.90	3270,3995,4348	05,*17*,11
1887	0.4	+22 56	6.0	6.21	3271,3641,4000	*04,09*,14
5530	0.4	−25 25	7.1	6.66	3248,3267,3975	04,*01,03*
4796	0.4	−32 23	5.8	5.46	3221,3245,3288,	31,*14,12*,
					3289,3607,3988,	14,*13,08*,
					3999,4360,4367	00,00,04
1868	0.6	+ 2 28	7.7	6.77	3236,3272,3979	*04,06*,10
5474	0.6	−29 41	7.4	7.62	3248,3251,3267	26,*25*,00
1511	0.7	+50 26	7.1	7.35	3281,3283	*15*,15
1854	0.7	+22 45	7.5	7.22	3271,3641	15,*16*
1903	0.7	− 0 17	6.8	6.42	3988,3995	*15*,16
2363	0.7	− 9 50	6.6	6.98	3995,3999	*06*,06
1391	0.9	+51 48	5.1	4.87	3281,4327,4333	*17*,05,11
2381	0.9	−13 17	7.5	7.42	3262,3270	*03*,02
1612	1.0	+48 28	7.4	8.13	3612,3624	12,*12*
1706	1.1	+49 19	6.8	*7.27*		A . .
1888	1.1	+23 3	7.5	7.52	3271,3641	15,*14*
1861	1.2	+38 53	6.8	6.99	3640,3643,4000	*16*,11,05
4507	1.2	−33 18	7.1	6.57	3240,3245,3615	02,01,*03*
2240	1.5	−19 36	7.5	6.76	3270,3276	09,*09*
1254	1.6	+55 34	7.0	6.89	3281,3283,3969	01,01,*01*
2222	1.6	− 8 57	6.0	*6.04*		. . A
1865	1.7	+38 49	7.0	7.25	3640,3643	05,*05*
1727	1.7	+10 17	7.7	6.89	3979,3999	05,*05*
1728	1.8	+10 26	8.8	8.21	3980,3980,3983,	*03,06*,05,
					3983,3988,3988,	14,*07,09*,
					4354,4354,4355,	*05*,01,03,
					4355,4357,4357	04,03,03
1102	1.9	+58 33	6.2	6.01	3281,3612,3632	*21,04*,25
1753	1.9	+34 21	7.2	7.48	3640,3643	10,*11*
1862	1.9	+21 52	5.4	*5.50*		. . A
4525	1.9	−33 17	6.6	6.01	3240,3245,3615	*02,03*,04
2392	2.4	−14 3	7.5	7.66	3262,3270	03,*02*
1819	2.5	+42 45	6.7	6.44	3612,3624,3632	*17*,02,15
1544	2.7	+27 47	7.0	*6.79*		. A .
2437	2.7	− 3 8	7.0	6.80	3238,3241,3995	*20*,00,21
2304	2.7	−17 5	6.8	6.53	3262,3270,3988	01,*05*,03
5530	2.7	−26 49	7.7	6.96	3248,3251,3975	00,*09*,09
4064	2.7	−38 36	7.2	7.02	3239,3247,3267,	05,10, R,
					3269,3972,3975,	11,*32*,05,
					3980,4334,4346,	46,*16,37*,
					4348	04
3989	2.8	−39 48	7.5	7.10	3895,3912,3983	20,*18,02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
524	2.9	+68 46	4.8	5.50	3223,3240,3246,	*03,02,04*,
					3247,3249,3251,	08,*04,02*,
					3258,3267,3267,	*13*,27,*03*,
					3269,3270,3271,	*12,13,13*,
					3272,3274,3276,	*02*,06,27,
					3289,3592,3611,	07,14,10,
					3624,3632,3636,	24,02,*02*,
					3640,3641,3643,	*11,03,02*,
					3646,3647,3655,	*04,02*,04,
					3658,3951,3957,	*15*,20,09,
					3959,3963,3970,	*07*,06,14,
					3972,3980,3984,	01,33,*18*,
					3988,3991,3994,	24,09,*01*,
					4001,4005,4013,	*21,10,06*,
					4016,4017,4018,	*17*,03,*10*,
					4325,4331,4333,	*21,02*,10,
					4346,4347,4349,	*15,19,05*,
					4354,4355,4357,	*09,08*,11,
					4358,4363,4366,	*07,13,01*,
					4367,4374,4381,	02,01,*05*,
					4381	22
2395	2.9	−20 16	5.8	*5.34*		06, . *07*
5555	2.9	−29 6	7.3	6.93	3248,3251,3972	07,*13*,06
1282	3.1	+52 25	7.5	7.50	3281,3283	*10*,10
1752	3.1	+36 0	7.2	7.34	3636,3640	03,*03*
1831	3.1	+13 56	6.5	6.22	3236,3272,4347	*04*,05,*02*
1690	3.2	+32 30	6.8	6.74	3636,3643,4000	08,*21*,12
6828	3.3	−24 1	3.2	*2.89*		. *06*,06
1208	3.4	+54 50	6.7	6.54	3969,3979	*09*,08
1647	3.4	+33 40	7.5	7.66	3636,3643	*05*,04
1696	3.4	+29 23	6.7	6.55	4000,4001,4005	18,*06,13*
2401	3.4	−13 13	7.6	7.16	3262,3270	13,*12*
4211	3.4	−36 5	7.5	7.31	3239,3240,3607	04,01,*06*
1221	3.5	+53 32	7.0	6.81	3281,3283,3969	*11,01*,11
R	3.5	−44 58	. .	5.20	3230,3988,4355,	*05*,04,02,
					4357	00
1767	3.6	+35 46	6.5	6.72	4000,4001,4005	*01,08*,10
2450	3.6	− 2 41	4.8	*4.38*		. . A
1728	4.1	+26 8	6.8	6.70	3271,3640,4000	*20*,12,09
6846	4.1	−23 19	6.7	6.64	3267,3269,3972	15,*03,11*
2235	4.2	− 4 16	7.5	7.48	3238,3241	*20*,20
2400	4.2	−11 3	6.6	6.27	3262,3270,4348	*05*,11,*06*
4365	4.2	−34 55	7.3	7.26	2895,3240,3245	*08*,15,*08*
308	4.3	+76 3	7.5	*7.72*		A . .
1778	4.3	+17 18	7.5	7.43	3235,3236	05,*05*
2262	4.3	−20 4	6.7	6.36	3972,3975	08,*09*
1865	4.4	+25 50	6.1	5.87	3271,3640,3647,	03,*05,14*,
					4005	16
4227	4.4	−36 8	8.3	7.67	3997,3997,3999,	*19,42,12*,
					3999,4000,4000,	15,13,16,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4354,4354,4355,	04,*16*,14,
					4355,4357,4357	16,01,08
2190	4.5	−18 57	4.5	*4.32*		. . A
2065	4.7	+39 2	6.5	*6.47*		A . .
2278	4.7	−15 17	7.3	*7.20*		A . .
1711	4.9	+49 15	7.0	7.08	3612,3624	*11*,10
1545	4.9	+47 14	7.2	7.69	3612,3624	05,*05*
1892	4.9	+ 9 28	7.2	6.94	3979,3999	05,*06*
2280	4.9	−15 57	5.6	*5.54*		01, . 00
2293	4.9	−21 17	7.5	7.52	3267,3269	*21*,22
4288	4.9	−37 23	6.7	6.24	3239,3240,3607	*21*,18,02
4026	5.0	−39 12	7.4	6.82	2895,2912,3615	08,*08*,*01*
5620	5.1	−30 1	7.0	6.79	3240,3245,3615	03,03,*07*
235	5.2	+82 44	6.5	*6.17*		*08*, . 08
2489	5.2	− 6 27	7.5	7.68	3238,3241	*20*,20
5592	5.2	−31 21	7.3	7.34	3240,3245,3615	04,04,*07*
1775	5.3	+14 56	6.3	*6.14*		00, . 00
4256	5.3	−35 9	6.8	6.26	2895,3239,3615	09,06,*16*
1276	5.4	+56 50	6.8	6.75	3281,3283,3969	*25*,05,21
4040	5.4	−39 13	8.3	7.14	2912,3604,3615	00,*19*,19
1695	5.5	+32 47	6.7	6.95	3636,3647,4000	*04*,*17*,22
1913	5.5	+ 3 14	7.5	7.07	3236,3272	16,*16*
1278	5.8	+56 46	5.7	5.87	3281,3283,3969	03,*07*,04
2404	5.8	− 9 19	7.3	7.76	3241,3249	20,*19*
1746	5.9	+10 7	6.5	5.83	3979,4347,4349	*04*,*03*,08
2173	5.9	−22 14	7.3	6.66	3267,3269,3972	*05*,08,*02*
1657	6.0	+16 30	7.2	7.43	3235,3236	*15*,15
2494	6.1	− 6 27	6.3	6.64	3238,3241,3995	*26*,14,12
2420	6.1	−13 30	6.2	*5.64*		. 11,*10*
2068	6.2	+39 46	7.5	*7.72*		A . .
1659	6.2	+16 49	7.5	7.23	3235,3236	*05*,05
541	6.3	+66 29	6.5	7.02	3258,3274,4012	05,*26*,22
1621	6.3	+48 35	6.5	6.75	3612,3624,4012	07,06,*13*
R	6.3	−43 49	. .	5.07	3231,3289,3975,	*09*,40,*01*,
					3988,3999,4352	*08*, R ,*22*
1867	6.5	+17 57	4.7	4.64	2907,4347,4349	04,*17*,12
R	6.5	−47 3	. .	2.69	3975,3975,3988,	*34*,*30*,*08*,
					3988,3997,3997,	00,*17*,03,
					4360,4360,4363,	R , R , R ,
					4363,4366,4366,	R ,51,09,
					4381,4381	02,26
2395	6.6	− 5 44	7.5	7.78	3241,3249,3633,	10,*48*,20,
					3646,3650,3655,	14,*21*,12,
					3995,3997,3999	01,*02*,16
2385	6.6	−12 37	5.0	*4.74*		. . A
2378	6.7	− 7 28	5.5	*5.49*		. . A
1850	6.8	+14 19	6.8	6.46	3979,3999	05,*05*
1664	6.9	+29 57	5.6	*5.60*		*11*, . 10
4941	6.9	−32 5	8.0	7.26	3240,3245,3615	19,*01*,*19*
310	7.0	+76 4	6.0	5.75	3267,4327,4333	19,*07*,*13*
4333	7.1	−37 58	8.1	7.51	2895,3239,3604	*03*,15,*12*
1784	7.2	+11 29	7.6	7.68	2907,4347	*03*,04
502	7.3	+70 30	7.0	7.36	3258,3274	01,00
1785	7.3	+11 29	7.3	7.16	2907,3236	*11*,10
4291	7.3	−36 59	6.8	6.28	2895,3239,3604	10,*02*,*08*
1119	7.4	+60 41	6.8	*6.42*		04, . *05*
1662	7.4	+16 49	6.6	6.08	2907,3235,3979	*10*,*10*,21
4155	7.4	−38 46	7.5	7.23	3240,3247,3604	*16*,19,*02*
1904	7.6	+ 5 14	8.0	7.17	3236,3272	06,*06*
4300	7.6	−36 30	7.5	7.25	3239,3240,3604	*05*,13,*08*
5130	7.7	−27 13	8.1	7.56	4357,4357	02,*03*
1570	7.8	+28 4	7.5	7.63	3647,3650	10,*10*
1913	7.8	+23 27	6.5	6.44	3646,3647,4001,	*05*,02,05,
					4005	*01*
4084	7.8	−39 19	4.8	4.66	3231,3267,3604,	*13*, R ,*11*,
					3611,3975,3988,	11,02,01,
					3999,4358,4359,	09,*05*,*01*,
					4360,4367	26,*20*
1783	7.9	+43 20	7.2	6.68	3612,3624,4012	14,*07*,*08*
R	8.0	−42 41	. .	4.82	3269,3283,3611,	14,17,00,
					4352,4355,4358,	*23*,*06*,*04*,
					4360	R
1781	8.1	+34 16	7.3	7.62	3636,3647	*04*,03
1787	8.1	+11 9	7.3	*7.30*		. A .
4316	8.1	−35 28	7.5	6.88	3239,3240,3604	02,08,*09*
1804	8.2	+40 53	7.3	7.64	3612,3624	07,*07*
1938	8.3	− 0 51	7.5	6.51	3238,3241,3628,	R ,*11*,*24*,
					3628,3633,3646,	02,13,*07*,
					3995,3997,3999,	16,*13*,02,
					4348,4349,4352	13,*01*,08
1882	8.5	+17 58	7.4	6.43	3235,3236,3979	05,*05*,*01*
1900	8.5	+ 6 36	7.3	7.55	3236,3272	01,*01*
1792	8.6	+20 59	7.0	6.83	3646,3647,4001,	*09*,04,07,
					4005	*02*
2517	8.6	− 6 18	7.1	7.24	3241,3249	14,*14*
2324	8.7	−15 29	5.4	5.03	3230,4348,4349	05,*05*,00
5738	8.7	−29 36	6.9	6.44	4348	A
4322	8.7	−36 41	6.9	6.55	2912,2922,3604	28,*11*,*17*
1154	8.8	+59 30	7.3	6.80	4012,4013	*04*,04
1868	8.8	+13 22	7.2	*6.48*		. A .
6974	9.0	−23 59	7.4	7.14	3245,3267	*02*,03
1553	9.1	+47 6	7.0	6.99	3612,3624,4012	03,*01*,*02*
4394	9.2	−37 37	6.8	6.22	2895,2912,3604	00,09,*09*
1669	9.4	+16 23	7.5	7.18	3235,3236	20,*20*
1124	9.5	+59 53	6.0	*5.56*		*05*, . 06
1704	9.5	+32 30	7.5	7.41	3636,3647	09,*09*
2268	9.5	− 3 32	7.3	7.50	3238,3241	R , A
409	9.6	+72 43	6.2	6.20	3258,3274,3643,	04,*07*,13,
					3646	*08*
1556	9.6	+45 16	7.5	*7.62*		A . .

8^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5719	9.7	−31 26	7.0	6.73	3245,3247,3615	*05*,07,*01*
4349	9.7	−35 35	5.3	4.63	3611,3628,3972,	*12*,*12*,10,
					3991,4325,4333,	*02*,*19*,00,
					4349,4352,4354,	*07*,20,11,
					4354,4355,4355,	00,06,11,
					4357,4357,4358,	10,16,*03*,
					4359,4359	*11*,*14*
4187	9.7	−38 7	7.5	7.37	3239,3240,3604	*03*,*04*,07
4705	9.8	−33 16	7.0	6.51	3245,3247,3628	*03*,21,*17*
6666	10.0	−24 37	7.5	7.62	3245,3267	*02*,03
334	10.1	+75 9	6.5	6.54	4012,4013	01,*02*
4504	10.1	−34 54	7.1	6.94	3245,3247,3628	04,00,*03*
5742	10.2	−31 50	6.7	6.00	3245,3247,3615	*15*,08,08
4358	10.2	−36 1	5.9	5.08	3611,3615,4325,	*07*,*10*,*22*,
					4333,4349,4352,	R,04,15,
					4358,4359,4381	*06*,11,17
4360	10.2	−36 2	7.0	5.72	2912,2922,3604	*23*,*02*,24
2363	10.3	−16 58	6.8	6.88	3230,3262,3988	07,*04*,*02*
4359	10.3	−36 38	7.5	6.92	2912,2922,3604	*09*,12,*04*
4365	10.4	−35 11	6.4	5.92	2922,3239,3604	19,00,*19*
4128	10.5	−40 2	4.8	4.59	3240,3283,3611,	*11*,23,*04*,
					3615,3628,3972,	*03*,01,*26*,
					3975,3991,4333,	11,*07*,01,
					4349,4352,4358,	R,02,12,
					4359,4381	*10*,05
991	10.6	+62 49	6.0	5.76	3274,4327,4333	*10*,09,01
1215	10.6	+54 26	6.5	6.43	4012,4013	*10*,10
1265	10.7	+54 53	6.7	6.60	3970,4012	04,*03*
1933	10.7	+ 3 6	7.5	7.07	3236,3272	16,*16*
284	10.9	+78 15	7.5	7.98	3258,3274	16,*15*
1803	10.9	+21 32	7.3	7.54	3646,3647	02,*03*
2452	10.9	−13 19	7.0	7.20	3230,3262	00,*01*
1796	11.0	+43 43	7.3	7.46	3612,3624	05,*06*
5918	11.0	−30 33	7.5	7.40	3245,3247,3615	*10*,12,*01*
1287	11.1	+56 34	7.0	7.14	3283,3612	16,*16*
1917	11.1	+ 9 30	3.7	3.85	3236,4347,4349	01,08,*08*
4380	11.1	−35 23	7.5	6.77	2922,3239,3604	01,03,*04*
534	11.2	+67 51	7.0	7.19	3258,3274,3633,	08,*53*,07,
					3643,3646,3970,	19,*07*,*06*,
					4012,4013	20,13
1575	11.3	+27 21	7.5	7.43	3647,3650	00,00
1785	11.4	+36 2	7.3	6.91	3636,3643;4001,	*02*,*04*,07,
					4005	*02*
1560	11.5	+47 20	6.8	7.46	3612,3624	*08*,07
2504	11.5	− 2 55	7.0	7.11	3238,3241,3633,	R,*11*,*01*,
					3646,3650,3995,	07,*01*,*01*,
					3997,3999	10,*01*
2243	11.5	−19 6	7.5	7.28	3262,3270	13,*13*
1892	11.6	+25 8	7.3	*7.41*		A . .
2351	11.6	−15 23	7.1	*7.30*		A . .
4389	11.7	−37 3	8.0	7.05	2912,3239,3604	02,*09*,07
327	11.8	+77 17	7.0	7.14	3258,3274	00,*01*
1849	11.9	+37 22	7.3	7.48	3636,3647	01,00
5836	11.9	−29 52	7.4	7.03	3245,3248,3972	*18*,25,*07*
5946	11.9	−30 37	6.9	6.35	3245,3247,3615	05,07,*13*
2284	12.0	− 5 6	7.4	*7.85*		A . .
2291	12.0	− 8 42	7.0	7.02	3241,3249	04,*05*
1760	12.1	+26 45	7.0	7.04	3647,3650,4001,	*25*,02,23,
					4005	*01*
1921	12.1	+ 9 11	7.5	6.33	3236,3272,3979	03,*09*,06
1945	12.1	+ 4 31	7.0	6.70	3979,3999	22,*22*
2509	12.2	− 3 3	6.3	6.58	3238,3241,3633,	R,02,*06*,
					3646,3650,3995,	*03*,*09*,01,
					3997,3999	18,*06*
4401	12.2	−35 35	6.8	6.35	2922,3239,3240	03,15,*19*
1919	12.3	+ 6 34	7.3	R		
2288	12.3	− 5 4	7.5	*7.75*		A . .
2456	12.3	−14 50	7.0	*7.26*		A . .
1112	12.4	+58 3	6.2	6.03	3283,4327,4333	07,03,*11*
1675	12.4	+33 39	7.4	7.74	3636,3647	18,*19*
2056	12.4	+ 1 28	7.5	7.62	3236,3272	01,*01*
2358	12.4	−21 34	6.8	6.70	3245,3267,3972	*02*,*19*,22
4406	12.4	−35 34	7.5	6.99	3239,3245,3604	01,*07*,07
2512	12.5	− 2 47	7.3	7.58	3238,3241,3633,	R,17,07,
					3646,3650,3995,	03,*14*,*06*,
					3997,3999	*06*,*02*
2467	12.5	−21 0	6.6	6.42	3245,3267	18,*18*
1942	12.6	+ 3 6	8.0	7.67	3236,3272	*04*,04
5248	12.6	−27 33	8.3	8.19	3245,3248,3995,	*07*,*15*,12,
					3995,3997,3997,	02,*09*,*15*,
					4015,4015,4360,	24,15,06,
					4360,4366,4366	09,*11*,*16*
4413	12.6	−35 54	7.5	6.92	3239,3240,3604	05,*08*,03
1679	12.7	+15 59	6.5	6.61	3235,3236,3979	*03*,*03*,05
1923	12.7	+ 6 32	7.0	7.05	3236,3272	*19*,19
1943	12.7	+ 3 15	8.0	7.72	3236,3272	*09*,09
2362	12.8	−15 58	6.3	6.26	3995,3997,3999	12,*04*,*07*
4165	12.8	−39 26	7.5	6.99	2912,3239,3604	*21*,17,05
1217	12.9	+53 53	6.9	6.46	3970,4012	10,*10*
1762	12.9	+26 39	7.1	7.04	3647,3650	06,*05*
1927	12.9	+ 9 28	7.9	7.08	3979,3999	07,*08*
1563	13.1	+44 59	7.3	*7.97*		A . .
1802	13.1	+35 22	7.5	7.07	3636,3647	07,*07*
538	13.2	+66 52	7.0	7.46	3258,3274	21,*20*
1903	13.2	+24 29	7.5	*7.11*		A . .
2027	13.3	+40 12	7.1	*6.77*		A . .
6751	13.3	−24 42	7.2	7.62	3245,3267	*12*,13
5843	13.3	−26 0	7.5	7.18	3245,3248	00,00
5775	13.3	−28 50	8.0	7.59	3245,3248	*11*,11
4573	13.3	−34 12	7.5	7.46	3247,3615,3628	22,*20*,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1803	13.4	+35 31	7.3	7.20	3636,3647	05,*04*
1687	13.5	+16 26	7.5	6.79	3235,3236,3979	*01*,*21*,21
2423	13.5	− 7 15	7.0	7.54	3241,3249	*16*,16
2463	13.6	− 9 49	7.5	*7.91*		A . .
5887	13.6	−29 23	7.3	7.05	3248,3267	03,*03*
5087	13.6	−32 34	7.0	6.85	2922,3615,3975	11,*16*,04
2449	13.7	−12 18	6.3	6.00	3262,4349	02,*02*
5897	13.9	−29 42	7.0	6.43	3248,3267,4334,4346	05,*31*,05,21
464	14.0	+69 14	7.2	7.16	3258,3274,3633,3643,3646,3970,4012,4013	21, R,*01*,11,*19*,*06*,*11*,08
1589	14.0	+27 32	5.7	*5.22*		. . A
2466	14.0	−14 16	7.1	6.82	3230,3249,3988	*22*,21,02
4441	14.0	−35 46	7.1	6.53	3239,3240,3604	04,01,*04*
545	14.3	+66 4	7.5	8.19	3258,3274,3633,3643,3646,3970,4012,4013	18, R,06,*02*,*23*,*21*,21,*02*
1794	14.3	+36 6	7.3	6.93	3636,3647,4001,4005	*12*,*08*,24,*05*
2489	14.3	− 5 18	7.1	*7.55*		A . .
2433	14.3	− 7 14	7.2	7.24	3241,3249	*06*,06
1043	14.4	+60 57	6.7	6.48	3249,3258,3274,3633,3643,3646,3970,4012,4013	*22*,29, R,06,*09*,*04*,*09*,16,*09*
1817	14.5	+21 4	6.0	6.00	3646,4327,4333	*19*,32,*13*
2471	14.5	− 9 52	6.2	6.20	3241,4348	*14*,14
4452	14.5	−35 9	6.3	6.01	3251,3267,3604	34,*13*,*20*
4443	14.5	−37 4	7.0	6.46	2912,3239,3604	01,00,*02*
1909	14.6	+24 20	6.0	5.86	3289,4327,4333,4352	*09*,26,*03*,*15*
1954	14.6	+ 4 15	6.7	6.10	3272,4347,4349	01,*14*,13
628	14.7	+65 48	7.5	7.77	3258,3274	A, R
1903	14.7	+25 39	7.5	7.35	3289,3647,3650	R,05,*05*
4449	14.8	−36 21	4.7	4.53	3247,3289,3633,3641,3991,4325,4333,4346,4349,4352,4358,4359	21,08,06,*22*,00,*02*,*06*,*09*,14,*05*,*18*,09
2355	14.9	−19 51	7.0	*6.72*		A . .
1934	15.0	+ 9 44	7.9	6.98	3999,4005	01,*02*
2032	15.0	+ 8 20	7.5	7.55	3236,3272	*09*,09
1966	15.1	− 0 36	7.2	*6.30*		A . .
2463	15.2	−12 32	7.0	6.96	3230,3262,3988	*04*,*04*,09
1808	15.3	+34 15	7.3	7.25	3636,3647	15,*15*
2303	15.3	− 5 1	6.5	6.19	3995,3997	02,*02*
4294	15.3	−38 46	7.3	6.85	2912,3239,3604	*12*,02,11
1917	15.5	+18 11	8.7	8.58	4359,4359,4360,4360,4363,4363	11,*06*,*13*,*05*,04,06
2560	15.5	− 6 19	7.2	7.34	3241,3249	*06*,06
5865	15.5	−26 46	7.5	7.13	3248,3267	13,*13*
1915	15.6	+22 14	7.5	7.40	3289,3646	*03*,03
1568	15.7	+45 40	7.5	8.10	3612,3624	*04*,05
4627	15.7	−34 17	6.9	6.29	2922,3245,3615	03,03,*06*
1921	15.8	+17 59	9.1	9.12	4359,4359,4360,4360,4363,4363	*10*,*14*,07,05,13,*02*
7143	15.8	−23 9	7.7	7.15	3267,3269	*16*,16
1815	16.0	+43 31	5.0	4.42	3624,4327,4333	*03*,*03*,06
2037	16.0	+40 46	7.2	6.97	3636,3647,3650,4001,4005	*08*,*08*,*05*,20,02
4555	16.0	−37 7	7.1	6.88	2912,3239,3604	*01*,18,*16*
2491	16.1	−14 3	7.5	7.44	3230,3262	06,*05*
2233	16.1	−22 37	6.3	6.15	3267,4334,4346	*26*,28,*01*
6064	16.1	−30 47	7.3	7.11	2922,3245,3615	05,09,*14*
510	16.2	+70 27	7.3	7.49	3258,3283,3288,3633,3643,3646	28,*11*,*12*,03,02,*10*
1246	16.2	+53 33	6.0	5.49	3624,3970,4012	*09*,*02*,11
2066	16.3	+20 18	7.5	*7.40*		A . .
1805	16.3	+15 5	7.2	*7.49*		A . .
1879	16.3	+13 57	7.3	7.08	3236,3272	00,*01*
2017	16.3	− 1 17	7.0	6.35	3238,3241,3646,3650,3655,3995,3997,3999	R,15,01,*05*,*01*,08,*18*,02
2315	16.3	− 8 33	7.5	7.76	3241,3249	00,01
2444	16.4	− 7 45	7.0	7.32	3241,3249	04,*05*
2483	16.7	−14 39	7.1	*7.03*		A . .
2319	16.8	− 8 21	6.8	7.02	3241,3249	*06*,05
2490	16.8	−10 44	6.8	*6.90*		A . .
1704	16.9	+16 29	6.8	6.78	3235,3236,3999	10,*10*,*01*
2369	16.9	−19 46	5.8	*5.66*		03, . *03*
1948	17.0	+ 2 28	7.5	6.92	3272,3633,3999	09,*10*,00
287	17.1	+78 33	6.8	7.14	3258,3274	20,*21*
2499	17.1	−20 28	7.2	7.08	3615,3628	*04*,05
1950	17.2	+ 5 21	7.3	*7.46*		A . .
2491	17.2	−10 26	6.9	6.63	3988,3995	08,*08*
1576	17.3	+45 17	7.3	*7.53*		A . .
2464	17.3	−17 16	6.0	*5.86*		. . A
542	17.5	+67 36	7.2	7.62	3258,3283	05,*04*
1223	17.5	+54 15	7.5	7.24	3612,3624,3970	03,15,*17*
5185	17.5	−32 44	5.7	5.01	3633,3640,3641,3980,3991,4325,4333,4347,4349,4352	05,*10*,*07*,*03*,33,*11*,03, R,02,*14*
4513	17.5	−36 10	5.9	5.12	3240,3258,3288,3633,3640,3641,3991,4325,4347,4349,4374	*10*,*07*,*06*,13,*08*,14,06,*15*, R,00,12
1725	17.6	+32 38	7.0	7.48	3636,3647	16,*15*
1930	17.6	+18 39	6.5	5.66	3235,3236,4347,4349	*08*,02,07,*01*
2512	17.6	− 5 52	6.3	5.85	4348,4349	*22*,22

8^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4245	17.8	−39 18	6.5	6.12	2912,3239,3628	*11*,*04*,14
1639	17.9	+48 5	7.5	8.02	3612,3624	10,*10*
1806	17.9	+31 39	7.5	7.48	3636,3647	01,00
1859	18.0	+42 20	6.5	6.22	3612,3624,3970	*01*,02,*01*
2452	18.0	−7 14	6.5	6.15	3241,3262,3995	03,02,*06*
2490	18.1	−12 44	6.6	*6.30*		. A .
6041	18.4	−29 23	7.2	6.99	3248,3267,3272	19,*07*,*11*
1830	18.5	+10 58	6.5	*6.29*		. 02,*02*
2288	18.6	+0 24	7.5	7.36	3272,3276	05,*05*
5988	18.6	−26 1	6.5	*5.92*		. 04,*04*
1819	18.7	+35 22	6.0	6.27	3636,4327,4333,4352	*20*,16,*11*,15
5976	18.8	−31 17	7.2	7.02	2922,3245,3615,3997	*10*,*04*,07,05
1856	18.9	+37 44	7.3	7.84	3636,3647	00,00
2028	18.9	−1 11	7.0	6.80	3238,3241,3646,3995,3997,3999	*30*,30,00,*06*,*06*,11
1920	19.0	+24 17	7.0	7.27	3289,3646	00,00
2079	19.0	+20 29	7.4	7.20	3289,3646	07,*06*
2339	19.0	−8 8	8.4	8.15	3241,3262	11,*11*
5979	19.0	−31 7	8.5	8.32	3995,3995,3997,3997,4005,4005,4359,4360,4360,4363,4363,4366,4366	25,23,*40*,*30*,*18*,*14*,34,01,29,08,*13*,02,*06*
1836	19.1	+17 32	7.0	*7.04*		. *03*,02
5409	19.3	−27 30	7.2	7.10	3248,3267,4000,4000	*06*,*12*,*01*,17
1857	19.5	+37 18	7.5	7.93	3636,3647	02,*02*
1987	19.5	−0 49	7.5	6.83	3238,3241,3995	*23*,07,15
6167	19.5	−30 29	7.5	6.98	2922,3245,3615	12,*06*,*06*
1960	19.6	+9 45	7.6	6.94	3999,4005	*04*,03
2328	19.6	−4 23	6.5	*6.00*		09, . *08*
2343	19.6	−8 11	7.4	7.78	3262,3270	06,*07*
2319	19.6	−18 48	7.2	6.97	3230,3262,3988	*05*,04,00
6079	19.6	−30 4	7.5	7.13	2922,3245,3615	07,*01*,*05*
4638	19.6	−37 58	6.9	6.34	2912,3239,3628	*19*,02,17
4274	19.6	−40 4	7.7	7.19	2912,3239,3975	*13*,18,*04*
2333	19.7	−3 26	6.0	5.10	3238	A
5961	19.7	−28 39	6.8	6.57	3248,3267,3972	03,*13*,09
1538	19.8	+49 54	7.5	*7.92*		A . .
2345	19.9	−11 12	7.5	7.42	3230,3262	00,00
6089	19.9	−29 32	8.2	8.06	3269,3276	02,*02*
2504	20.0	−15 8	7.3	*7.88*		A . .
5245	20.0	−32 35	7.6	7.03	2922,3245,3615	13,*01*,*13*
2050	20.1	+40 14	7.5	*7.22*		A . .
1842	20.1	+17 23	6.2	*6.18*		. *07*,06
4578	20.2	−36 24	7.3	7.22	3239,3240,3628	01,*12*,11
2510	20.3	−12 26	7.0	6.90	3230,3262,3988	12,*08*,*05*
545	20.4	+67 38	6.0	6.16	3258,3283,4327,4333	*09*,22,18,*30*
1602	20.4	+28 14	6.0	5.84	3289,4001,4327,4333	16,*15*,22,*22*
1965	20.4	+2 27	6.5	5.91	3272,3276,3980	00,00,*01*
2508	20.4	−9 28	7.2	7.78	3262,3270	*14*,13
2510	20.4	−14 59	7.3	6.74	3988,3997	*07*,07
4570	20.4	−35 11	7.4	7.19	3239,3240,3628	03,*10*,08
2053	20.5	+7 53	5.2	5.23	3276,4347,4349	*09*,08,00
1967	20.6	+1 53	7.5	6.71	3272,3276,3980	00,00,*01*
2262	20.6	−22 50	6.2	*5.72*		. 04,*04*
7269	20.6	−23 22	7.7	6.81	3248,3267	02,*02*
420	20.7	+72 39	7.5	7.78	3258,3283,3643	06,*03*,*02*
1398	20.7	+46 0	6.0	6.46	3612,3624,4327,4333	*21*,*08*,20,07
1612	20.7	+27 16	5.7	*5.65*		. . A
1920	20.7	+24 52	6.5	*6.71*		*05*, . 05
2339	20.7	−3 35	3.7	*3.98*		. . A
2341	20.8	−3 51	7.5	7.30	3238,3241	*10*,10
2352	20.8	−8 38	6.3	7.62	3262,3270	*08*,09
7277	20.8	−23 43	5.8	*5.44*		. *07*,07
2522	20.9	−20 44	5.8	5.92	3269,4334,4346	*26*,19,06
2426	20.9	−21 49	7.0	6.98	3248,3267,3972,3975,3980	R,*07*,05,*10*,13
416	21.0	+73 2	7.2	7.90	3258,3283	04,*05*
470	21.1	+68 52	6.7	6.94	3970,4009,4012	01,00,*02*
1143	21.1	+57 1	7.1	7.26	3612,3624	*05*,06
2442	21.1	−17 7	6.7	6.44	3262,3270,3988	20,*06*,*14*
1228	21.2	+54 11	7.3	7.02	3612,3624,3970	*12*,06,06
1399	21.2	+46 36	7.5	7.01	3612,3612,3624	*05*,*08*,14
1912	21.2	+13 0	5.8	*5.80*		. *07*,08
2355	21.2	−8 11	7.0	6.88	3262,3270,3997	26,*07*,*20*
2514	21.2	−10 12	6.3	6.51	3988,3997	04,*04*
6030	21.2	−31 37	7.0	6.64	2921,2922,3615	*12*,*02*,14
2057	21.3	+7 58	7.5	6.78	3272,3276,3980	06,*04*,*03*
2517	21.3	−14 36	6.4	5.91	3270,3997,4348	03,11,*15*
1825	21.4	+36 27	7.5	7.68	3636,3647	09,*09*
2345	21.5	−3 40	6.2	5.22	3241,4348	18,*18*
1975	21.6	+7 33	7.5	6.95	3272,3276,3980	*01*,*11*,11
1826	21.7	+36 13	6.9	6.94	3636,3647,4005	*01*,02,*01*
6145	21.7	−29 36	7.5	7.72	3267,3269,3975,3980,3983	R,*14*,*02*,15,00
1864	21.9	+37 20	7.5	7.76	3636,3647	16,*17*
1834	21.9	+33 51	7.5	7.62	3636,3647	*15*,14
1054	22.0	+61 3	3.3	3.50	3223,3236,3239,3240,3241,3246,3247,3251,3270,3276,3283,3288,3289,3294,3295,3611,3624,3628,3633,3640,3641,	17,38,*32*,08,*22*,*24*,*12*,08,*13*,*13*,18,*03*,27,*12*,07,*10*,17,*01*,*01*,30,*16*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3643,3646,3647,	05,17,*06*,	6075	23.1	−31 51	7.3	6.72	2921,3245,3615	*20*,05,15
					3650,3655,3658,	12,23,14,	6079	23.3	−31 21	7.0	6.39	2921,3245,3615	*07*,*01*,07
					3659,3660,3955,	*28*,13,*13*,	4648	23.3	−36 36	7.3	7.61	3240,3247,3607,	*03*, R,*01*,
					3957,3959,3963,	*17*,05,22,						4334	05
					3970,3980,3988,	*11*,*11*,*01*,	4711	23.3	−37 37	7.5	7.80	3239,3240,3607	21,*10*,*12*
					3991,3994,3995,	*06*,05,06,	1741	23.4	+32 24	7.5	7.96	3647,3650	03,*02*
					4001,4005,4009,	*20*,*31*,01,	2102	23.4	+ 1 35	7.4	7.41	3272,3276	*10*,10
					4013,4014,4016,	*01*,*03*,49,	1283	23.5	+55 16	7.5	*7.56*		A . .
					4017,4325,4327,	*13*,03,*02*,	2581	23.5	− 2 11	7.0	6.29	3238,3241,3997	*19*,21,*02*
					4333,4338,4347,	*01*,*02*,*15*,	2374	23.5	− 8 29	6.5	6.48	3262,3270,3997	*14*,23,*08*
					4349,5354,4355,	*03*,*09*,37,	6971	23.5	−24 34	7.4	7.56	3269,3271	*11*,12
					4357,4359,4360,	00,09,*29*,	1410	23.6	+46 37	7.5	8.24	3612,3632	*02*,01
					4363,4374,4380,	*18*,*08*,*08*,	6109	23.6	−25 48	7.0	*6.73*		. *15*,15
					4381,4383,4386	03,00,*07*	420	23.7	+73 47	7.3	7.44	3258,3283	*10*,11
2524	22.0	−12 12	6.0	*5.60*		. . A	1583	23.7	+47 6	7.0	7.34	3612,3624	*06*,07
6049	22.0	−31 51	7.5	7.05	2921,2922,3615	*05*,04,01	1789	23.8	+26 31	7.0	6.67	3289,3647,4005	*07*,*14*,21
1835	22.1	+34 2	6.9	*7.27*		A . .	1934	23.8	+24 41	7.0	*7.01*		A . .
6035	22.1	−26 49	7.4	6.92	3267,3269,3975,	R,*02*,06,	2532	24.0	− 9 25	6.3	5.90	3276,4348	22,*23*
					3975,3980,3980,	11,03,00,	2064	24.2	+ 8 45	7.0	*6.75*		. A .
					3983,3983,3988,	17,09,*41*,	4842	24.2	−34 47	6.3	5.65	2922,3245,3615	09,*07*,*01*
					3988,4357,4357,	*13*,15,07,	2286	24.3	−22 44	7.0	*6.40*		. 03,*02*
					4363,4363,4366,	*04*,06,*08*,	337	24.4	+77 21	7.2	7.40	3258,3283	*06*,05
					4366	01	2000	24.4	− 0 38	7.2	6.90	3997,3999	*07*,06
2497	22.2	−17 51	7.3	7.36	3262,3270	*02*,02	2549	24.4	−20 37	6.7	6.62	3972,3975	00,00
1844	22.3	+21 29	6.8	6.97	3289,3646,4005	10,*15*,06	2065	24.5	+40 23	7.2	6.95	3636,3647,3650	01,12,*12*
2530	22.3	− 6 5	7.0	6.48	3238,3262,3997	*30*,19,11	4848	24.5	−34 50	7.4	7.47	3245,3247,3615	*09*,27,*18*
4119	22.4	−41 50	6.0	5.33	3251,3258,3283,	17,25,22,	2066	24.6	+40 33	6.8	6.61	4005,4009,4012	10,*03*,*07*
					3288,3633,3640,	17,*09*,*23*,	1916	24.6	+38 37	7.5	7.52	3636,3647	*01*,00
					3641,3643,4325,	*03*,*12*,*03*,	*1431*	24.7	+50 57	7.5	7.40	3612,3632	*16*,16
					4363,4363,4366,	*04*,*17*,*15*,	2312	24.7	+ 0 35	7.0	7.56	3272,3276	*05*,05
					4366,4374,4374	13,*08*,*07*	1870	24.8	+37 36	6.5	6.06	3636,3647,4005	03,04,*06*
2441	22.5	−15 19	7.4	*7.80*		A . .	2313	24.9	+ 0 21	7.3	*7.18*		A . .
2347	22.6	− 4 49	7.5	*7.30*		A . .	2364	25.0	−18 25	7.5	7.66	3262,3270	*02*,02
4462	22.6	−38 44	6.5	6.06	2912,3239,3240,	26,*09*,*09*,	1259	25.1	+53 26	6.4	6.53	3612,3632,3970	*03*,07,*04*
					3607,3628	02,*10*	*2539*	25.1	−10 8	7.0	*7.46*		A . .
1931	22.7	+24 28	5.8	6.14	3289,4001,4327,	*27*,*33*,51,	342	25.2	+75 4	6.4	*6.28*		*06*, . 06
					4333	11	1834	25.2	+35 19	7.0	*7.32*		A . .
2356	22.7	− 4 5	7.0	6.68	3238,3241,3997	*20*,20,01	1794	25.3	+26 5	7.5	7.44	3289,3647	*04*,04
2526	22.8	−14 36	7.0	6.55	3262,3270,3988	24,*01*,*23*	2024	25.3	+19 17	8.0	7.38	2907,3633	00,00
2278	22.8	−23 7	7.0	7.22	3269,3271	*21*,22	*6103*	25.3	−27 0	7.0	6.62	3272,4334,4346	*04*,15,*12*
6048	22.8	−28 54	6.9	6.78	3269,3271,4334	*17*,07,09	1284	25.4	+55 41	7.5	7.68	3612,3632	*09*,08
1703	22.9	+33 2	6.7	6.60	3636,3647,4005	11,03,*13*	2617	25.5	− 6 42	7.4	7.50	3262,3270	07,*06*
2599	22.9	− 6 54	7.5	7.80	3270,3276	14,*15*	128	25.6	+85 25	7.5	*7.41*		A . .
5023	22.9	−33 51	7.3	7.53	3245,3247,3267,	T,17, R,	638	25.6	+65 29	5.8	*5.46*		. . A
					3628,3975,3980,	03,04,*03*,	1940	25.6	+24 25	5.8	5.70	3647,4001,4333	*06*,*10*,17
					3988	*19*	*2557*	25.7	−13 8	7.2	7.16	3262,3270	03,*02*
472	23.0	+69 39	6.5	*6.44*		A . .	2543	25.8	− 9 52	7.3	*7.71*		A . .
1231	23.0	+54 27	7.2	6.64	3970,4012	05,*04*	1963	25.9	+18 26	6.0	5.51	3272,4347,4349	16,*14*,*01*
1899	23.0	+14 33	6.2	*5.88*		*09*,*04*,13	*1176*	26.0	+58 55	7.0	6.77	3612,3632,3970	*01*,*03*,05
2538	23.1	−20 31	6.8	6.36	3628,3632,3972	*06*,15,*10*	1751	26.0	+32 30	7.5	7.60	3647,3650	*05*,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2027	26.0	+19 19	7.2	6.74	2907,3272,3980	04,03,*08*
R	26.0	−44 23	. .	4.92	3251,3258,3633,3640,3641,3643	*03*,15,06,*19*,23,*19*
1772	26.2	+29 39	7.5	*7.06*		A . .
2472	26.3	−15 30	6.8	6.90	3988,3997	06,*06*
1920	26.4	+38 22	6.5	6.05	3636,4333,4352	05,*05*,01
5563	26.4	−27 30	7.5	7.68	3267,3269,3972,3975,3980	R,29,00,01,*29*
1816	26.5	+10 9	7.5	6.49	3980,3999	*01*,01
6165	26.5	−31 49	6.1	5.85	3258,3615,3632,3640,3643,3972,3991,4325,4347	*06*,02,30,*28*,00,*10*,R,15,R
1855	26.6	+34 44	7.5	*7.72*		A . .
1840	26.6	+15 40	8.3	8.34	2907,3633	*16*,15
6385	26.7	−30 48	7.2	7.19	2891,2921,3615	03,06,*09*
4715	26.7	−36 23	7.0	6.93	2891,2895,3607,3628	*24*,12,*01*,13
1710	26.8	+33 45	7.3	7.58	3647,3650,4333	08,03,*11*
1836	26.9	+36 46	6.3	6.08	3650,4005,4333,4352	*21*,00,14,08
2109	26.9	+20 47	5.6	5.60	3646,4333,4352	*10*,07,02
2394	26.9	− 8 31	7.3	7.78	3262,3270	*04*,03
5117	26.9	−33 19	7.4	7.04	3247,3248,3615,3995,3995,3997,3997,3999,3999,4363,4363,4366,4366,4374,4374	08,01,*34*,28,28,*19*,*15*,10,*15*,08,07,09,05,*02*,*20*
2438	27.0	−19 14	5.6	*5.38*		02, . *02*
1946	27.1	+24 25	6.5	6.38	3647,4333,4352	00,09,*10*
1842	27.1	+15 36	7.5	7.52	2907,3272	06,*05*
2574	27.1	−20 45	7.0	7.82	3269,3271	*16*,17
523	27.2	+70 2	6.8	7.25	3970,4009,4012	*03*,*23*,25
1601	27.3	+45 32	7.0	7.80	3612,3632	*16*,15
1818	27.3	+10 26	6.8	6.33	3276,4347,4349	*09*,10,00
1983	27.3	+ 6 3	7.5	7.39	3272,3276	05,*05*
2377	27.3	− 4 46	7.5	*7.10*		A . .
2534	27.4	−18 3	7.0	7.06	2876,3262	*08*,08
4561	27.4	−38 43	7.2	7.13	2871,2891,3607	*20*,09,10
1592	27.5	+47 28	6.2	6.62	3612,3632,3643	*03*,13,*10*
2566	27.6	− 5 34	7.7	6.85	3997,3999	05,*05*
2608	27.7	− 2 50	7.5	7.30	3238,3241	00,00
4566	27.7	−38 44	6.6	6.12	2871,2891,3607	01,*10*,10
1743	27.8	+48 53	6.5	6.75	3970,4009,4012	09,*18*,08
1322	27.9	+52 32	7.5	7.72	3612,3632	*15*,16
2564	27.9	−14 41	6.8	6.46	2876,3988	*04*,03
2583	28.0	−14 5	7.0	6.80	2876,3262,3270,3276	02,*01*,*06*,06
1940	28.2	+13 36	6.8	*6.40*		. A .
2379	28.2	− 4 53	7.0	6.51	3238,3997,3999	*23*,03,20
4581	28.2	−38 44	7.5	7.24	3239,3607,3975,3988	03,*11*,10,*01*
1840	28.3	+36 46	5.9	5.59	3650	A
253	28.4	+82 36	7.0	*6.69*		A . .
1745	28.4	+49 35	7.5	*7.77*		A . .
1853	28.4	+41 22	7.0	7.58	3612,3632	*03*,04
1997	28.5	+ 5 6	6.5	*6.13*		. *02*,02
2487	28.5	−15 25	7.5	*7.50*		A . .
6221	28.5	−31 54	7.5	7.54	2921,3247,3975,3980	*14*,24,*01*,*07*
4452	28.5	−39 37	7.6	7.14	2895,2912,3607,3628	*02*,*19*,13,07
370	28.6	+73 59	6.4	6.37	3258,3283,4327,4333	*03*,*12*,22,*07*
2077	28.8	+ 8 48	7.0	5.91	3276,4347,4349	*07*,05,02
7089	28.8	−24 16	6.5	6.31	3283,4334,4346	06,13,*18*
2074	29.0	− 1 49	6.5	*5.65*		. . A
2571	29.0	− 9 39	7.3	*7.66*		A . .
2494	29.0	−15 45	6.3	6.52	3988,3997	07,*06*
6229	29.0	−31 11	6.9	6.43	2921,3247,3615	*01*,17,*16*
4959	29.1	−34 18	6.8	6.22	2921,3247,3615	04,06,*09*
1999	29.3	+ 5 51	7.2	6.93	3272,3276,3980	01,01,*01*
2574	29.4	− 9 36	7.5	7.42	3262,3270	02,*01*
1750	29.5	+49 43	7.3	*7.37*		A . .
2317	29.5	−23 1	7.7	7.38	3269,3271	*17*,16
1834	29.6	+42 56	6.5	6.98	3612,3632,3970	*15*,08,06
2118	29.6	+19 56	7.7	6.60	3980,3999	*11*,12
1874	29.6	+11 38	7.5	7.44	2907,3272	*09*,10
4850	29.6	−38 2	6.9	6.26	2871,2891,3607	07,*14*,07
1314	29.7	+56 20	7.5	7.61	3612,3632	00,00
7110	29.7	−24 45	7.2	7.06	3269,3271	*01*,02
4610	29.9	−38 30	6.4	5.87	2871,2891,3607	08,*12*,03
2335	30.0	+ 0 44	7.3	7.06	3980,3999	01,*02*
2076	30.1	+40 6	7.4	*7.57*		A . .
1955	30.2	+24 24	7.0	*6.84*		A . .
643	30.3	+65 22	5.8	*5.73*		. . A
2014	30.3	+ 3 5	7.0	6.48	3272,3276,3980	03,03,*06*
6200	30.3	−26 45	7.0	6.62	3267,3269,3972,3975,3980,4000	R,08,*10*,05,*05*,02
2602	30.4	−21 7	7.5	7.92	3269,3271	*06*,07
4774	30.4	−36 34	9.0	6.67	2891,3283,3975	*01*,07,*06*
1851	30.5	+15 39	6.5	*6.28*		*04*, . 03
1997	30.5	+ 6 58	6.0	5.66	3980,4347,4349	*10*,22,*13*
5465	30.5	−32 15	7.0	6.46	2871,2891,3607,3615	04,09,*09*,*05*
4502	30.5	−39 23	7.3	6.96	2912,3239,3240,3245,3604	*26*,02,*07*,32,*02*
2540	30.6	− 7 38	5.7	*5.56*		. . A
2498	30.7	−21 54	6.8	7.55	3269,3271	*01*,01
4873	30.7	−37 16	6.9	6.40	2871,2891,3607	01,09,*10*
1268	30.9	+53 45	6.8	5.80	3258,3294,3612,	*10*,00,05,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3632,3979	24,*18*	428	32.0	+78 31	6.5	6.93	3258,3288,3970	*09*,02,06
1148	31.0	+60 17	6.8	6.84	3970,3979	04,*03*	1728	32.0	+33 9	6.5	6.15	3295,4338,4352	15,*09*,*07*
4787	31.1	−37 0	8.0	7.69	2871,2891,3607	04,*07*,04	2053	32.1	+19 38	7.2	*6.70*		*05*,05
7150	31.2	−24 46	7.5	7.52	3269,3271	03,*04*	6539	32.1	−30 15	7.5	7.73	2921,3247,3248	*05*,11,*07*
6225	31.2	−26 30	6.5	6.03	3251,3267,3972,	*06*, R,*10*,	1816	32.2	+26 25	7.5	7.65	3289,3295	*05*,05
					3975,3980,3988,	12,*04*,11,	6540	32.2	−30 59	7.5	7.36	2921,3247,3607	09,06,*15*
					4027,4027,4027,	*25*,01,*23*,	*1149*	32.3	+59 56	7.5	*7.71*		A . .
					4027,4031,4031,	*10*,14,28,	6316	32.3	−31 55	7.2	6.80	2891,2921,3236,	*02*,00,03,
					4036,4036,4334,	42,04,01,						3247,3975	08,*09*
					4334,4346,4346,	*01*,*01*,*22*,	2001	32.4	+ 6 8	4.5	*4.21*		. *07*,07
					4348,4352,4352	*15*,03,*07*	2416	32.4	−18 20	6.8	7.06	2876,3262	02,*02*
1628	31.3	+28 39	6.5	6.72	3289,3646,4005	*02*,07,*06*	1769	32.5	+44 35	7.5	*8.37*		A . .
6430	31.3	−29 11	7.5	7.34	3251,3267,3972,	16, R,*06*,	1849	32.5	+31 3	7.5	7.65	3289,3295	*05*,05
					3975,3980	03,*15*	2401	32.5	− 4 35	6.2	6.11	3238,3659,4348	07,18,*26*
5207	31.3	−33 41	7.1	6.85	2871,2891,3607	*03*,13,*11*	2520	32.5	−15 40	7.5	7.74	3262,3270	*07*,07
2083	31.4	+39 59	7.5	*7.42*		A . .	4655	32.6	−38 6	7.5	7.05	2892,2912,3604	*03*,*13*,17
698	31.5	+64 40	4.7	4.75	3230,3235,3239,	02,02,13,	1770	32.7	+44 38	7.5	*8.22*		A . .
					3240,3241,3245,	03,23,*07*,	*1840*	32.7	+ 9 56	7.4	6.54	3980,3999	08,*09*
					3248,3251,3288,	13,*07*,33,	2607	32.8	−12 14	6.7	6.59	2876,3262,3650,	R,03,*03*,
					3288,3289,3294,	*18*,*08*,*07*,						3655,3659,3988,	*16*,13,08,
					3295,3612,3624,	12,*04*,*22*,						3997,3999	*06*,01
					3628,3633,3640,	05,12,08,	6331	32.8	−26 4	7.0	6.78	3248,3251,3972	00,11,*11*
					3643,3646,3647,	08,03,02,	1968	32.9	+24 2	6.5	6.82	4005,4009,4012	05,*07*,02
					3650,3658,3659,	14,*21*,*29*,	1862	32.9	+15 13	7.5	*7.69*		A . .
					3660,3955,3970,	04,*08*,12,	2664	32.9	− 6 27	7.5	6.73	3262,3270,3997	04,*09*,05
					3979,3988,3991,	07,*20*,*26*,	6334	32.9	−25 43	7.5	7.71	3251,3267	*12*,12
					3995,4000,4001,	*15*,26,00,	*1850*	33.1	+35 52	7.2	7.29	3289,3636	11,*11*
					4009,4009,4014,	13,*12*,*04*,	2436	33.1	− 8 32	7.0	7.18	3262,3270	16,*17*
					4015,4017,4027,	*17*,*04*,03,	528	33.2	+70 31	6.8	*7.19*		A . .
					4027,4027,4027,	26,*06*,22,	2142	33.2	+ 1 3	7.3	7.26	3272,3276	*05*,05
					4325,4327,4334,	33,11,01,	2610	33.2	−12 21	7.3	7.26	2876,3262,3650,	39,*14*,*14*,
					4338,4346,4347,	*06*,*10*,*23*,						3655,3659	*08*,*06*
					4355,4358,4359,	*16*,03,10,	*1732*	33.3	+32 52	7.2	*6.87*		. A .
					4360,4374,4380,	*05*,*10*,14,	2411	33.3	−11 23	7.0	6.53	3262,3270,3988	*11*,15,*05*
					4381,4383,4386	05,*25*,10	1443	33.4	+51 47	7.0	6.96	3258,3294,3970	14,*06*,*09*
6276	31.5	−28 8	7.6	7.14	3251,3267,3972,	*02*, R,*01*,	2669	33.4	− 6 19	6.7	6.49	3262,3270,3997	*12*,*05*,17
					3975,3980	14,*12*	1183	33.5	+59 26	7.1	*7.06*		A . .
4520	31.5	−39 20	8.2	7.50	2892,2895,3604	*09*,*12*,22	2026	33.5	+ 3 42	4.9	*4.69*		. . A
4519	31.5	−39 37	7.1	6.31	2892,2895,3604	*06*,01,04	5257	33.5	−33 23	7.0	6.55	2891,2921,3607	15,*23*,09
1269	31.6	+53 16	6.6	6.54	3258,3294,3970	06,*04*,*03*	6356	33.6	−25 54	5.6	5.31	3248,3251,4334	07,*22*,16
1765	31.6	+32 39	7.5	7.80	3646,3647	00,01	4861	33.6	−35 47	7.5	7.64	3239,3240,3245	*07*,10,*04*
5487	31.6	−32 13	8.8	8.74	3980,3980,3983,	00,*06*,*32*,	1734	33.7	+33 5	7.0	*6.87*		. A .
					3983,3988,3988,	*06*,05,*09*,	4574	33.7	−39 48	7.1	6.39	2892,2895,3604	03,11,*14*
					4363,4363,4366,	16,26,*23*,	2149	34.0	+20 9	7.0	*6.68*		A . .
					4366,4374,4374	09,10,07	2671	34.0	− 6 29	7.5	7.10	3262,3270	07,*06*
1837	31.7	+10 0	6.0	*5.99*		*05*,00,06	1422	34.1	+46 11	5.7	*5.47*		. . A
1272	31.9	+53 4	6.4	6.15	3294,3970,4333	*05*,01,04	1776	34.1	+32 19	6.5	*6.14*		. *17*,16
1885	31.9	+37 23	7.5	7.48	3636,3646	03,*03*	*2150*	34.1	+19 54	7.2	6.65	4005,4009,4012	00,*19*,18
2595	31.9	− 9 22	7.0	7.52	3262,3270	02,*01*	2099	34.1	+ 8 22	7.5	*6.49*		. A .
7532	31.9	−23 14	8.1	8.08	3269,3271	*07*,06	2489	34.1	−19 23	6.7	6.47	3988,3997	*03*,03

8$^{\text{h}}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2152	34.2	+19 55	8.2	6.88	3999,4005	*16*,15
R	34.2	−42 38	. .	4.17	3236,3239,3240, 3251,3294,3607, 3640,3641,3643, 4325	24,*15*,*08*, *03*,14,21, *17*,*06*,*22*, 08
1604	34.3	+47 50	7.3	7.60	3294,3612	10,*09*
2091	34.3	+40 23	7.3	7.58	3289,3636	02,*01*
1738	34.3	+33 38	6.8	6.82	3289,3646,4005	08,*12*,05
4949	34.3	−37 39	7.5	6.91	2892,2921,3604	*03*,*10*,14
2158	34.4	+20 22	7.0	*6.48*		. A .
2159	34.4	+20 20	7.3	*6.52*		A . .
2620	34.5	−12 23	6.9	6.56	3262,3270,3988	16,02,*18*
2166	34.6	+20 1	7.3	6.49	4005,4009,4012	*08*,01,06
2069	34.6	+19 43	7.0	6.75	4005,4009,4012	*15*,10,06
2171	34.7	+19 54	7.2	6.28	4005,4009,4012, 4014,4014,4352, 4352,4354,4354, 4355,4355,4358, 4358	01,21,16, *03*,00,06, 06,*06*,*15*, *11*,*15*,11, *16*
1070	34.8	+61 17	7.5	*7.46*		. A .
2345	34.8	−22 19	5.3	5.13	3248,3269,4334	*18*,01,18
5286	34.8	−33 31	7.5	7.56	3248,3251,3607	19,*06*,*12*
2011	34.9	+ 6 55	8.0	6.63	3272,3276,3980	01,01,*02*
2172	35.0	+20 5	7.1	*6.72*		A . .
2597	35.0	−17 55	7.0	7.09	3270,3276	09,*09*
291	35.1	+78 3	7.0	7.64	3283,3289	01,00
430	35.1	+73 39	7.0	7.40	3258,3283	04,*05*
1892	35.1	+11 17	7.2	6.93	2907,3272,3980	02,*09*,07
2039	35.1	+ 2 17	7.2	6.86	3272,3276,3980	05,*05*,01
2175	35.2	+19 56	7.7	6.75	4005,4009,4012	*13*,*09*,21
2420	35.3	−12 7	5.7	5.27	3262,3988,4348	05,07,*11*
2541	35.3	−16 56	6.5	7.04	3270,3276	04,*04*
2178	35.5	+20 50	7.0	6.60	3289,3646,4005	17,*07*,*10*
6359	35.5	−28 43	7.5	7.18	3267,3269	06,*07*
4964	35.5	−37 7	7.3	7.10	3240,3245,3247, 3604	04,*12*,08, *01*
6544	35.6	−29 12	5.6	*5.08*		. *05*,05
4872	35.6	−36 15	6.7	6.05	2892,2921,3604	11,02,*12*
4633	35.6	−39 26	7.5	7.09	2892,2895,3604	*01*,16,*15*
1894	35.9	+11 25	7.5	7.40	2907,3272	*05*,04
5305	35.9	−33 39	7.2	7.28	2921,3247,3248, 3251	11,12,*15*, *10*
1606	36.1	+47 16	6.5	6.21	3294,3612,3979	*11*,04,06
2185	36.1	+20 14	7.5	7.05	4005,4009,4012	*02*,04,*02*
5308	36.1	−33 40	7.5	7.37	3248,3251,3975	06,01,*07*
1885	36.2	+34 34	7.3	*7.37*		A . .
2452	36.2	− 8 42	6.5	6.48	3262,3276,3997	06,04,*10*
5128	36.2	−34 57	4.4	4.10	3235,3236,3239, 3604,3607,3643, 3972,4338,4347	*09*,*03*,04, *04*,08,15, *05*,*04*, R
1759	36.3	+49 15	6.8	6.84	2979,4009,4012	*09*,*03*,11
1779	36.6	+32 13	7.0	7.04	3646,3647	05,*05*
2500	36.6	−19 33	7.4	7.61	3270,3276	*06*,06
4653	36.6	−39 54	6.2	5.15	3235,3239,3615, 3643,3972,3975, 4338,4363,4363, 4366,4366	*02*,*16*,*02*, 03,*11*,*15*, 22,*02*,09, 06,06
427	36.7	+72 46	6.8	7.54	3258,3283	*10*,11
1847	37.0	+43 4	7.2	7.64	3294,3612	*14*,13
2456	37.0	− 8 12	7.5	7.68	3262,3276	06,*06*
2554	37.1	−15 35	5.4	5.01	3270	A
1898	37.2	+37 5	7.2	7.04	3636,3646	02,*02*
1863	37.2	+36 43	7.3	7.73	3636,3646	03,*03*
2659	37.2	− 2 41	7.5	7.50	3238,3241	*20*,20
2548	37.2	−21 49	7.2	7.80	3269,3271	04,*04*
R	37.3	−46 18	. .	4.60	3628,3628,4338, 4338,4381,4381	*06*,*03*,05, 46,*21*,*18*
2432	37.4	−11 36	6.8	6.80	3270,3276,3988	*02*,19,*17*
1895	37.5	+21 50	4.5	4.67	3289,4333,4352	*20*,06,14
1919	37.6	+42 28	7.0	7.05	3294,3612	*15*,15
2445	37.6	− 4 3	7.2	6.97	3238,3241,3997	*19*,11,09
2587	37.6	− 8 7	7.0	6.95	3241,3262,3997	*09*,19,*11*
293	37.7	+78 33	6.5	7.30	3258,3283	04,*05*
1972	37.7	+13 3	6.0	5.48	3272,4347,4349	*01*,*12*,12
1899	37.8	+37 17	7.0	6.34	3636,3646,4005	*12*,21,*10*
1658	37.9	+27 36	7.3	8.04	3289,3646	06,*07*
2039	38.0	+ 3 46	5.0	*4.40*		. 03,*04*
1782	38.1	+32 26	6.8	6.92	3646,3647,4005	*11*,02,08
2630	38.1	− 9 26	6.3	6.82	3997,3999	04,*03*
6433	38.1	−31 52	7.5	7.07	2921,3247,3607	03,01,*03*
1784	38.5	+44 2	7.5	7.22	3294,3612	*12*,13
R	38.5	−45 3	. .	5.52	3239,3294,3294	24,*22*,*02*
1766	38.7	+49 14	7.5	*7.37*		. A .
2029	38.7	+ 4 42	7.5	*6.33*		A . .
2708	38.7	− 6 52	4.5	4.59	3276,4348	*14*,14
2027	39.0	+18 31	4.5	*4.12*		. 03,*02*
4976	39.1	−35 35	6.9	6.34	2892,2895,3604	01,08,*08*
1903	39.2	+37 39	7.0	6.91	3636,3646,4005	*21*,*02*,22
1754	39.2	+33 37	7.5	7.96	3646,3647	16,*16*
1876	39.2	+31 4	6.3	6.21	3640,4333.4352	*18*,17,01
1864	39.4	+10 27	6.0	*5.62*		. *02*,01
1642	39.5	+28 48	7.3	7.24	3289,3646	*04*,04
5651	39.6	−32 50	3.8	3.68	3248,3267,3271, 3614,3628,3636, 4338,4347,4381	*11*,50,09, *04*,*08*,*20*, *15*, R,02
4789	39.6	−38 32	7.3	6.63	2892,2895,3604	*17*,17,*01*
2030	39.7	+ 6 3	7.0	6.00	3272,3276,3980	04,*06*,02
560	39.8	+67 5	6.0	6.27	3283,3288,4327, 4333	*09*,*10*,43, *25*
1894	39.8	+33 57	7.0	7.16	3640,3646	*06*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2095	39.8	+19 11	7.2	*6.83*		. A .
2515	39.8	−19 54	7.3	*7.49*		A . .
379	40.1	+74 8	7.5	7.74	3258,3288	10,*09*
1645	40.2	+27 57	7.0	7.39	3289,3646	*09*,09
4804	40.2	−38 25	7.7	6.90	2892,2895,3604	*14*,10,03
2049	40.3	+ 5 1	7.5	*6.51*		A . .
2379	40.3	+ 0 35	7.4	6.85	3272,3276,3980	06,06,*12*
2676	40.3	− 2 14	6.9	6.17	3238,3241,3999	*17*,03,14
7702	40.3	−23 25	7.3	6.79	3269,3271,3972	*08*,15,*07*
1958	40.4	+38 24	7.1	7.48	3636,3640	04,*05*
2714	40.4	− 6 37	7.2	6.97	3262,3270,3999	00,*03*,02
2667	40.4	−20 48	6.4	6.28	3269,3271,4334	*22*,*09*,31
6475	40.4	−31 39	7.3	7.53	2921,3247,3607	*11*,17,*06*
5054	40.5	−37 9	7.1	6.77	2892,2895,3604	*20*,01,18
1823	40.6	+29 8	7.5	R	3647,4005,4009	R, R, R
1824	40.6	+29 8	4.2	4.05	3289,3643,3646	*15*,16,*01*
1988	40.6	+22 43	7.4	7.95	3289,3995	12,*12*
1909	40.6	+20 58	7.0	6.92	3289,3646,3995	*05*,01,04
R	40.8	−42 17	. .	4.18	3235,3238,3240,3248,3294,3295,3604,3607,3614,3628,3636,3660,4338	*22*,*12*,12,48,34,*33*,*07*,*02*,*18*,*09*,*01*,19,*12*
272	40.9	+80 24	7.3	*7.47*		A . .
6748	40.9	−30 36	7.3	7.06	2922,3247,3615	10,06,*15*
707	41.0	+64 37	7.0	*7.20*		A . .
2125	41.0	− 1 41	7.0	5.73	3241,4348,4352	07,*27*,21
1647	41.1	+28 32	7.0	6.65	3289,3643,3995	*05*,14,*10*
2047	41.1	+ 8 50	7.5	6.99	3272,3276,3980	*15*,05,10
6493	41.1	−31 53	7.0	6.68	2921,2922,3607	02,11,*12*
4980	41.1	−36 47	6.3	5.61	2892,2895,3604	*11*,*01*,12
2163	41.2	+ 1 0	7.3	6.93	3272,3276,3980	*12*,*02*,13
2634	41.4	−10 39	6.0	*6.47*		*02*, . 02
2635	41.4	−10 28	6.9	*7.36*		A . .
1904	41.5	+12 28	6.2	5.68	3276,3980,4347	*04*,*01*,04
2036	41.5	+ 6 47	3.5	3.48	3276,4347	06,*06*
7377	41.5	−25 1	6.5	6.02	3251,4334,4346	20,04,*24*
536	41.7	+70 40	6.8	7.52	3258,3288	05,*05*
1901	41.7	+15 42	7.5	7.68	2907,3272	*10*,09
2486	41.7	− 8 15	7.5	7.62	3262,3270	02,*01*
2673	41.7	−13 11	4.8	*4.44*		. . A
232	41.8	+83 6	7.0	*7.49*		A . .
2522	41.8	−20 4	7.3	*7.73*		A . .
6417	41.9	−26 14	7.3	7.32	3267,3269	01,00
6508	41.9	−31 48	7.1	7.10	2921,3247,3607	00,08,*09*
5088	42.1	−37 30	7.2	6.66	2892,2895,3604	*05*,06,00
2130	42.2	− 1 31	6.0	5.12	3238,3241,4348	*12*,18,*07*
2474	42.2	−18 23	6.2	*6.58*		. . A
6735	42.4	−29 21	7.9	7.60	3267,3269	22,*22*
5416	42.4	−33 33	7.4	7.32	3247,3248,3607	00,13,*12*
1961	42.6	+38 43	6.8	7.16	3636,3640	06,*05*
R	42.6	−45 40	. .	4.15	3604,3604,3607,3628,3628,3636,3636	*30*,*41*, R, *04*,16,44,16
2589	42.8	−16 41	6.8	6.62	3270,3276,3988	*01*,01,*01*
5243	42.9	−34 15	6.6	6.20	2921,3245,3607	*04*,02,02
2056	43.0	+ 2 57	7.5	7.36	3272,3276	05,*05*
4773	43.0	−39 32	7.5	6.94	2921,3245,3604	*20*,21,00
1642	43.1	+45 3	7.5	*7.72*		A . .
2040	43.1	+ 6 13	4.8	*4.48*		. 20,*21*
2727	43.1	− 6 11	6.8	6.22	3262,3270,3999	*05*,*08*,13
R	43.1	−45 32	. .	5.74	3238	A
1994	43.2	+12 55	7.2	6.81	2907,3272,3980	*03*,*14*,16
1876	43.2	+10 47	7.1	7.14	2907,3272	*09*,10
2057	43.3	+ 2 55	7.3	7.11	3272,3276	*10*,10
5927	43.4	−28 0	7.5	8.20	3267,3269	16,*16*
5255	43.4	−34 14	7.0	6.80	2921,3245,3607	06,*08*,01
1898	43.6	+34 4	7.3	7.40	3640,3643	*02*,01
1828	43.6	+29 49	7.5	*7.46*		A . .
2069	43.6	− 0 40	7.3	6.56	3238,3262,3655,3659,3660,3999,4005,4009,4012,4348,4352,4354	*46*,24,*06*,*10*,*13*,02,*07*,36,*05*,01,19,*01*
5728	43.8	−33 1	7.1	6.90	2921,3241,3607	04,03,*06*
4879	43.9	−38 38	7.3	6.56	2892,2895,3604	*03*,02,01
4883	43.9	−38 35	7.0	6.84	2892,2895,3604	*08*,06,02
2461	44.0	− 4 52	7.5	*7.75*		A . .
6562	44.1	−28 17	7.0	6.82	3267,3269,3972	24,02,*26*
1765	44.3	+33 41	6.3	6.25	3640,4333,4352	*10*,08,01
2699	44.3	− 3 4	5.7	5.24	3262,3660,4348	*04*,*13*,16
1878	44.4	+35 26	7.0	6.73	3636,3640,3995	13,09,*21*
1912	44.4	+15 13	7.0	*7.24*		A . .
2072	44.4	+ 1 51	7.5	6.91	3272,3276,3980	10,*10*,00
233	44.5	+83 8	7.0	*7.06*		A . .
1877	44.5	+41 18	7.5	7.72	3294,3612	*02*,02
2036	44.5	+ 7 23	7.5	*6.79*		. A .
4516	44.5	−42 6	6.9	6.02	4354,4354	07,*08*
2037	44.6	+ 6 56	7.7	6.76	3272,3276,3980	*12*,18,*06*
2651	44.6	−10 31	7.0	*7.36*		A . .
2597	44.6	−15 12	7.2	*7.41*		A . .
2073	44.7	+ 2 44	7.5	7.31	3272,3276	10,*10*
2642	44.7	− 5 19	7.2	*7.25*		A . .
2654	44.7	−10 39	7.5	*7.56*		A . .
1674	44.8	+27 12	7.5	7.39	3289,3643	01,*01*
2500	44.8	− 8 16	6.8	6.81	3262,3270,3999	*07*,20,*13*
4907	44.9	−38 51	7.1	6.99	3289,3294,3604	11,01,*13*
2110	45.1	+19 13	6.5	*6.14*		01, . *01*
2057	45.1	+18 22	7.0	6.72	2907,3272,3980	*14*,15,*01*
4909	45.1	−38 36	7.1	7.06	2892,2895,3604	*13*,12,00
1027	45.2	+62 20	5.7	5.92	3283,3288,4327,	*14*,*05*,17

8^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4333	01
1198	45.2	+59 26	6.5	*6.08*		*32*, . 32
2693	45.2	−20 41	6.5	6.46	3972,3975	*10*,09
1794	45.3	+44 6	5.5	*5.32*		. . A
6855	45.3	−30 34	7.4	7.64	2921,3245,3607	*19*,16,03
4830	45.3	−39 36	7.9	7.65	2895,3245,3604	27,*13*,*13*
1649	45.4	+45 41	6.5	6.13	3294,4333,4349	*03*,04,00
1917	45.4	+15 43	6.7	*6.29*		*08*, . 08
2486	45.4	− 3 50	7.0	6.99	3238,3262,3655, 3659,3999,4005, 4012	*39*,21,05, 16,*05*,04, 00
297	45.5	+78 32	6.9	7.40	3258,3288	04,*05*
5970	45.5	−27 54	7.5	7.32	3267,3271	04,*04*
1297	45.6	+55 20	7.5	*7.35*		*04*,04, .
1935	45.6	+42 23	6.2	6.14	3294,3612,3643	16,*07*,*08*
2469	45.6	− 4 20	7.1	7.16	3262,3270	21,*22*
5770	45.8	−32 25	5.8	5.24	3235,3238,3251, 3607,3614,3628, 3636,3660,4338, 4347,4348,4381	*19*,*19*,01, 15,*11*,*03*, 08,05,03, R,05,17
1343	45.9	+52 44	6.8	6.99	3258,3612,3970	11,*09*,*02*
6600	45.9	−29 5	6.5	5.98	3248,4334,4346	*08*,20,*12*
4838	45.9	−39 57	6.2	5.41	3235,3238,3241, 3245,3288,3604, 3607,3614,3636, 3660,3975,4334, 4338,4346,4348, 4363,4363,4366, 4366,4381	*18*,*18*,*28*, 07,29,*02*, 02,04,*08*, 35,06,03, *07*,*06*,*13*, 09,14,05, 03,*14*
1781	46.0	+30 13	7.0	7.06	3995,4005	*10*,10
1855	46.1	+26 5	7.5	7.51	3289,3646	19,*19*
6610	46.1	−28 14	6.4	*6.06*		. 01,00
6827	46.1	−30 3	7.5	7.50	2884,2921,3607	*08*,*02*,11
5072	46.1	−36 15	7.5	7.09	3245,3247,3607	*14*,25,*12*
4925	46.1	−38 47	7.0	6.23	2884,2892,2895	22,*23*,02
6607	46.2	−28 30	7.5	7.54	3251,3267	*02*,02
5986	46.3	−27 21	4.4	*4.16*		. 01,*01*
1770	46.4	+32 51	6.0	*5.83*		. . A
2696	46.4	−13 22	7.3	7.20	3270,3276	14,*14*
R	46.4	−44 57	. .	4.93	3241,3604,3607, 3636,4338,4381	05,*43*,10, 19,44,*33*
1659	46.5	+28 38	6.5	*6.31*		. A .
1931	46.5	+11 30	7.5	7.54	2907,3272	01,00
2504	46.5	− 8 45	7.5	*7.84*		. *09*,08
6636	46.5	−25 45	7.5	7.51	3251,3267	*02*,02
5098	46.5	−35 34	7.0	6.74	2884,2921,3607	08,02,*10*
1660	46.6	+28 43	6.0	6.02	3289,3641,4333	*22*,12,11
2743	46.6	− 6 49	6.3	*5.54*		. . A
1919	46.9	+37 26	6.9	7.18	3636,3640	10,*10*
2134	46.9	+ 8 26	6.8	*6.59*		. A .
2069	47.0	+18 34	7.0	7.18	2907,3272	10,*11*
2074	47.1	+ 5 42	7.3	6.17	3272,3276,4347	*03*,*03*,06
6656	47.3	−25 50	7.5	7.66	3251,3267	*07*,07
1966	47.5	+17 45	7.7	6.82	2907,3659,3980	06,*04*,*03*
4945	47.5	−38 16	7.4	6.67	2884,2895,3607	25,*05*,*19*
2714	47.6	−12 26	7.0	6.88	3270,3276,3988	00,*09*,10
1291	47.7	+53 11	7.3	7.35	3258,3612,3632	*05*, R,05
2164	47.7	+39 38	7.0	*7.42*		A . .
1883	47.7	+35 56	6.1	6.07	3636,4333,4352	05,00,*05*
2716	47.8	−12 51	6.2	6.16	3276,3659,3988	*10*,02,09
2506	47.8	−18 14	7.3	7.43	3270,3276,3655, 3659,3660,3988, 3999,4005	*65*,07,08, 17,*07*,16, 19,03
R	47.8	−42 8	. .	6.30	4012,4012,4017, 4017,4018,4018, 4355,4355,4355, 4355,4363,4363, 4366,4366	17,22,*54*, *47*,08,*14*, 01,15,00, 12,13,02, 07,20
2119	47.9	+40 31	7.1	7.52	3636,3640	00,01
673	48.1	+64 59	6.0	5.81	3288,4327,4383, 4349	*04*,18,*24*, 09
1907	48.1	+30 57	5.3	5.49	3995,4333,4352	*33*,04,28
587	48.2	+65 54	7.5	7.42	3258,3288	05,*05*
2232	48.2	+20 21	7.2	*6.82*		. A .
1989	48.2	+14 14	6.8	*7.04*		A . .
2075	48.3	+17 55	7.5	7.12	2907,3272	06,*05*
6876	48.3	−29 30	7.5	8.32	3267,3271	10,*09*
5814	48.3	−32 8	6.9	6.67	2188,2884,2922, 3607,3615	00,08,02, *22*,13
1685	48.4	+27 18	7.5	7.16	3289,3641	14,*13*
484	48.5	+71 4	7.0	7.17	3258,3288	10,*10*
2014	48.5	+22 36	7.5	7.57	3289,3641	10,*10*
2618	48.5	−16 35	6.5	6.62	3270,3276,3655, 3988	09,01,*07*, *04*
2678	48.7	−11 1	7.2	7.14	3270,3276	*06*,05
5125	48.8	−36 10	7.0	6.32	2921,2922,3245, 3245	*22*,28,*04*, *04*
1865	49.0	+26 36	6.7	6.67	3289,3641,3995	23,*05*,*17*
2625	49.0	−16 58	7.5	7.34	3270,3276	*06*,06
4980	49.0	−38 21	6.5	6.01	2884,2895,3607	01,01,*02*
1944	49.1	+42 4	7.0	7.50	3612,3614	12,*12*
2490	49.3	− 5 4	6.0	*6.01*		01, . *01*
1182	49.4	+57 16	6.7	7.22	3258,3612	08,*08*
2518	49.4	− 8 23	7.0	*7.42*		. 01,00
2558	49.4	−20 3	7.5	*8.18*		A . .
1866	49.5	+26 48	7.2	7.14	3289,3641	06,*06*
1159	49.7	+58 36	7.0	6.90	3258,3612,3970	10,*10*,00
1666	49.7	+28 19	5.5	5.34	3289,3295,3646	*14*,06,08
1973	49.7	+17 37	6.5	*6.54*		. A .
1458	49.8	+46 9	7.2	6.93	3258,3612,3979	*03*,*04*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2688	49.8	−11 0	6.8	6.88	3270,3276,3988,3999	20,*19*,05,*05*
589	50.0	+66 23	7.0	7.22	3258,3288	15,*15*
1301	50.0	+55 14	7.5	*7.76*		▲ . .
2506	50.0	− 3 10	6.6	6.82	3238,3262,3999	*02*,*02*,05
6677	50.0	−31 47	7.3	7.25	2884,2922,2928	10,*06*,*03*
1460	50.1	+51 8	7.2	7.19	3258,3632,4348,4348,4349,4349,4352	*09*,05,*03*,17,*04*,*02*,*02*
1459	50.1	+46 1	6.5	5.92	3258,3612,3979	*12*,18,*07*
2125	50.1	+40 35	6.0	5.99	3640,4333,4352	*14*,06,09
2060	50.1	+ 6 20	3.0	3.30	4363,4363,4366,4366,4374,4374	05,35,25,*09*,*56*,*03*
2440	50.1	−23 9	7.2	7.32	3271,3288	02,*03*
5161	50.1	−35 17	7.5	7.35	3267,3271,3615,3975,3988,3994,4334,4348	R,57,*25*,03,*19*,*09*,*12*,02
4924	50.1	−40 4	7.2	6.58	3271,3288,3975,3988,3994	*09*,14,*01*,*17*,14
2631	50.3	−15 24	7.5	*7.20*		▲ . .
2013	50.4	+24 51	7.0	6.83	3995,4005	*19*,19
2735	50.4	− 2 46	6.9	7.15	3238,3262	05,*05*
1807	50.5	+44 49	7.0	7.00	4012,4013	10,*11*
1784	50.5	+33 39	7.5	7.26	3295,3640	04,*03*
1941	50.5	+12 0	5.8	*5.70*		. 10,*11*
2692	50.5	−11 0	7.1	6.75	3270,3276,3988	03,*06*,04
810	50.6	+63 50	7.3	7.07	3258,3288	*10*,10
2737	50.6	− 2 24	7.0	7.05	3238,3262	*05*,05
2661	50.6	− 7 36	6.3	*6.03*		. 03,*03*
2693	50.6	− 9 32	7.5	*8.30*		. 05,*05*
2691	50.6	−17 51	5.6	5.88	3270,4348	00,01
2692	50.6	−17 52	7.5	7.14	3270,3276	04,*04*
812	50.7	+63 44	7.2	6.94	3258,3288,3970,3997,4009,4012	*07*,03,14,*09*,*07*,07
1905	50.8	+35 24	7.5	7.23	3295,3636	27,*27*
1785	50.8	+33 18	6.0	5.62	3295,4333,4352	08,*10*,02
5565	51.0	−33 46	7.2	7.29	3245,3247,3615	06,21,*28*
1811	51.2	+32 50	7.2	6.86	3295,3640,3995	04,*12*,07
6980	51.2	−30 39	7.5	7.89	2884,2922,3615	21,*13*,*09*
2029	51.3	+22 15	6.7	7.01	3641,3646,3995	*22*,09,12
2707	51.3	−15 4	6.5	6.60	3988,4005	04,*05*
6072	51.3	−27 18	5.4	4.85	3240,3972,4334,4348	*35*,*02*,36,02
5869	51.3	−33 1	7.5	7.02	2884,2922,3615	*02*,10,*07*
1981	51.4	+38 39	7.2	6.86	3636,3640,3995	05,*04*,*02*
2081	51.4	+ 4 37	7.0	6.32	3979,3980	14,*15*
1979	51.5	+17 32	6.8	6.29	2907,3272,3979	*01*,*02*,04
7902	51.5	−23 27	6.7	6.47	3271,3283,3972	27,*08*,*19*
5260	51.5	−37 57	7.5	7.37	3240,3245,3615	09,11,*20*
835	51.7	+76 48	7.5	7.84	3258,3288	00,01
1945	51.7	+15 43	5.7	*5.10*		. . ▲
294	51.8	+79 45	7.0	*7.85*		▲ . .
1795	51.9	+30 38	6.5	*6.20*		*01*, . 02
2639	51.9	−16 19	6.2	*6.15*		. . ▲
1864	52.0	+15 58	6.1	*5.70*		. . ▲
2099	52.0	+ 2 54	7.3	*6.77*		. ▲ .
1889	52.1	+36 12	6.7	6.46	3636,3640,3995	*09*,*02*,11
2210	52.1	+ 0 55	7.5	*7.59*		▲ . .
2092	52.3	+ 9 40	8.3	*8.32*		▲ . .
2093	52.3	+ 9 46	6.0	*6.33*		04,02,*07*
2644	52.3	−17 3	7.2	6.62	3270,3276,3988	06,*02*,*05*
6735	52.3	−28 58	7.5	7.50	2928,3251,3267	*33*,10,24
351	52.4	+76 51	9.0	8.81	3995,3995,4012,4012,4014,4014,4354,4354,4357,4357,4358,4358	*07*,03,*18*,*01*,*02*,06,*15*,03,*21*,*06*,34,21
1707	52.4	+48 26	3.1	*3.07*		. . ▲
5192	52.5	−36 45	7.3	6.83	2884,2921,3615	07,09,*15*
1463	52.7	+46 9	7.2	6.61	3258,3612,3979	*31*,16,15
2090	52.7	+18 42	6.8	6.52	2907,3272,3979	*04*,*05*,10
2701	52.7	− 9 42	7.3	*7.86*		▲ . .
2022	52.9	+24 22	7.5	*7.56*		▲ . .
2503	52.9	− 4 29	6.8	6.58	3999,4005	01,00
2018	53.0	+25 48	7.5	7.23	3640,3641	*11*,11
1948	53.0	+12 15	4.3	*4.27*		. 14,*14*
2112	53.0	+ 1 55	7.5	6.52	3272,3276,3979,4347,4352,4354	*31*,09,32,*13*,02,02
1952	53.2	+21 33	7.5	7.54	3640,3641	*10*,11
2530	53.2	−18 30	7.0	7.11	3270,3276	*06*,06
7584	53.3	−24 28	7.2	7.38	3251,3271	06,*07*
6105	53.3	−27 20	7.5	7.45	3267,3271,3975,3983	*47*,26,23,*01*
1821	53.4	+32 49	5.5	5.60	3295,4333,4352	10,02,*11*
551	53.5	+68 1	5.1	4.96	3235,3239,3241,3245,3248,3251,3258,3269,3288,3295,3604,3615,3628,3632,3636,3640,3641,3643,3646,3658,3659,3660,3970,3972,3979,3983,3988,3991,3999,4000,4001,4009,4013,4014,4015,4017,4031,4334,4338,4346,4348,4349,4357,4358,4363,4374,4381,4383,4387	*19*,12,22,02,02,02,31,*08*,01,01,*08*,*11*,05,15,01,*07*,*05*,*12*,*24*,07,03,*20*,*06*,*11*,34,*35*,*06*,08,03,*11*,*16*,*02*,02,17,28,03,*16*,03,*18*,*08*,07,08,19,*11*,*15*,18,02,*10*,04

8^h — 9^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2098	53.5	+18 32	7.0	6.57	2907,3272,3979	*09*,00,09
2099	53.9	+ 9 22	7.5	*7.52*		A . .
486	54.0	+71 42	6.7	7.12	3258,3288	15,*15*
2021	54.0	+13 29	7.5	6.76	2907,3272,3979	*08*,*09*,18
1877	54.1	+26 50	7.3	6.63	3640,3995,4005	*02*,*01*,04
2656	54.1	−15 45	6.0	5.97	3999,4352,4354	*05*,*05*,11
1956	54.2	+42 11	4.1	4.04	3614,4338,4349	*23*,07,16
1986	54.2	+38 0	6.5	6.54	3295,3295,3636	16,06,*22*
2653	54.2	−16 22	7.1	7.17	3270,3276	04,*04*
2658	54.3	−15 36	7.0	6.95	3988,3999	*04*,04
196	54.5	+84 35	6.0	*6.28*		00, . 00
6760	54.6	−31 35	7.6	7.65	2844,2922,3628	13,*13*,01
7608	54.9	−24 20	8.1	8.28	3251,3271	*24*,23
2536	55.1	−18 49	6.0	6.23	3276,4352	04,*04*
2464	55.1	−22 47	7.5	8.02	3271,3288	02,*03*
6793	55.1	−28 25	6.8	6.40	2928,3271,3972	*10*,18,*07*
2138	55.2	+40 6	6.5	*6.21*		*09*, . 09
1829	55.3	+32 39	6.3	5.89	3636,4338,4352	*10*,*04*,13
2467	55.4	−22 18	6.8	7.18	3271,3283	08,*07*
2549	55.5	− 8 43	7.5	7.75	3241,3262	*09*,09
6141	55.5	−27 26	7.2	6.84	2928,3271,3283	09,07,*16*
2523	55.8	−11 44	7.3	7.38	3270,3276	00,01
2187	55.9	+39 3	7.5	7.34	3636,3640	*10*,11
1674	55.9	+28 18	6.2	*6.07*		. . A
2551	55.9	− 8 48	7.0	7.20	3241,3262	*04*,04
1601	56.1	+50 22	7.2	6.81	3258,3612,3970	*01*,05,*03*
1990	56.1	+17 30	7.5	*7.11*		. A .
2554	56.1	− 8 50	7.5	7.25	3241,3262	11,*11*
2751	56.1	−20 50	7.0	7.36	3271,3283	13,*12*
282	56.3	+81 14	6.7	*6.53*		A . .
1305	56.3	+53 30	7.0	7.08	3258,3612	02,*02*
2087	56.3	+ 6 2	6.5	*6.31*		. A .
4810	56.3	−40 52	5.2	4.48	3238,3241,3295,3658,3659,3660,3972,3979,4338,4347	06,06,*09*,00,12,05,00,*08*,*03*,*06*
2546	56.5	−18 57	7.0	7.46	3270,3276	*01*,01
7983	56.5	−23 46	7.0	7.04	3271,3283	*03*,03
1098	56.6	+61 23	7.5	7.72	3258,3288	05,*05*
2535	56.6	− 4 4	6.8	6.78	3270,3276,3999	06,*03*,*03*
7634	56.6	−24 35	7.5	7.40	3251,3271	*08*,08
1272	56.7	+54 41	5.8	5.64	3970,4333,4349	*04*,18,*13*
1889	56.7	+26 16	7.0	7.28	3641,3646	*07*,06
2124	56.7	+ 3 4	7.5	7.01	3272,3276	*10*,10
1633	56.8	+47 33	3.5	*3.67*		. . A
6157	56.8	−27 8	7.3	7.54	2928,3271,3283	*01*,*03*,04
2029	56.9	+24 51	5.3	5.33	3641,3643,4333	*15*,13,01
2449	56.9	− 0 6	6.2	*5.90*		23, . *23*
6647	56.9	−26 16	6.8	6.43	3283,4334,4348	*10*,09,00
5360	56.9	−38 2	7.3	7.05	2884,2895,3615	13,*07*,*07*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2701	57.0	− 7 59	7.3	7.31	3270,3655,3659,3999,3999,4005,4005,4012,4012,4354,4354,4355,4355,4355,4357,4357	00,*08*,11,*12*,00,14,*06*,13,22,10,10,*14*,*06*,*16*,*11*,*10*
1808	57.1	+30 31	7.3	7.89	3640,3643	*14*,14
2041	57.1	+22 40	7.4	7.80	3641,3995	*06*,05
716	57.2	+64 28	7.5	*7.50*		A . .
1998	57.2	+38 14	7.3	7.10	3636,3640	*07*,08
1800	57.2	+33 17	7.5	7.08	3640,3643	*04*,03
504	57.3	+68 52	7.3	6.95	3258,3288,3970	*08*,*08*,17
2193	57.4	+39 8	7.0	6.70	3636,3640,3995	14,*05*,*09*
2066	57.4	+ 7 41	6.5	6.14	3276,3979,4347	*10*,*03*,12
7646	57.4	−25 3	7.1	7.64	2928,3251,3271	*02*,*22*,24
6661	57.5	−26 11	7.3	*7.24*		. . A
2035	57.6	+23 1	7.3	8.08	3641,3646	*05*,04
4720	57.6	−41 28	6.2	5.46	3241,3607,3658,3659,3660,3972,3979,4347,4348	34,*23*,*20*,00,01,*04*,*08*,24,*02*
6171	57.8	−27 25	7.5	7.94	2928,3271,3283	09,*03*,*06*
2068	57.9	+ 7 13	7.0	*6.94*		. A .
1683	58.2	+28 18	6.5	*6.34*		. A .
1478	58.3	+51 14	6.8	6.73	3258,3612,3970	*13*,*01*,13
5154	58.3	−39 1	7.1	6.40	2884,2895,3615,4383	12,*08*,*23*,21
7117	58.4	−30 38	7.3	7.49	2884,2922,3615	01,*13*,11
1361	58.5	+55 56	7.4	7.94	3258,3612	*04*,04
1801	58.5	+48 55	6.5	*5.54*		18, . *17*
1812	58.6	+55 48	6.9	7.62	3258,3633	*12*,11
6185	58.6	−27 48	7.5	7.34	2928,3271,3283	*11*,07,04
2530	58.7	− 4 49	6.8	6.82	3999,4005	*15*,16
6835	58.7	−32 3	7.0	6.76	2928,3240,3245,3615	*14*,19,*01*,*03*
1837	58.8	+32 47	6.8	6.42	3640,3643,3995	*04*,06,*02*
6829	58.8	−25 7	6.9	6.50	3248,3251,3983	10,02,*11*
1217	59.0	+59 45	6.2	*6.22*		04, . *05*
2479	59.0	−22 36	7.5	8.36	3271,3294	08,*07*
2040	59.2	+23 16	7.0	7.18	3641,3646	*01*,00
2672	59.2	−17 6	6.8	6.84	3270,3276,3988	*06*,06,00
5698	59.2	−33 12	7.7	6.69	2884,2922,3615	19,*01*,*19*
1905	59.3	+36 36	6.8	6.88	3636,3640,3995	03,03,*07*
1608	59.5	+50 2	7.5	*7.52*		A . .
573	59.6	+67 17	5.2	5.58	3288,3294,4333	09,00,*10*
1309	59.7	+53 23	7.3	7.57	3258,3612	13,*13*
2138	0.0	+ 2 48	7.2	7.21	3272,3276	*10*,10
5821	0.0	−36 21	7.5	7.09	3240,3245,3615	11,06,*17*
1362	0.1	+52 3	7.3	7.33	3258,3612	*03*,03
2563	0.1	− 3 23	7.3	7.42	3655,3659	04,*04*
2200	0.2	+38 51	4.7	4.78	3640,3991,4333	01,*01*,*01*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2733	0.2	− 9 44	7.0	*7.26*		A . .
2781	0.3	−20 38	7.5	*8.12*		A . .
1999	0.5	+38 40	7.2	6.59	3636,3640,3991	*08*,01,06
2007	0.6	+17 31	7.5	7.57	3272,3276	00,00
1901	0.6	+16 15	7.5	7.27	3272,3276	*10*,10
2116	0.7	+ 5 30	5.6	*5.18*		. . A
6899	0.9	−28 37	7.2	6.76	2928,3248,3251	*09*,24,*16*
1969	1.0	+20 53	7.5	7.66	3641,3646	*12*,11
492	1.3	+71 47	6.5	7.18	3258,3294	*01*,00
1934	1.5	+31 37	6.7	7.06	3636,3640	14,*14*
577	1.6	+67 32	5.3	4.94	3294,4333,4355	14,00,*15*
2048	1.7	+23 23	6.5	6.30	3641,3646,3991	*04*,13,*08*
2740	1.7	− 9 22	7.3	7.86	3270,3276	*15*,16
2145	1.8	+ 1 52	6.8	6.41	3272,3288,4352	*10*,*09*,19
1365	1.9	+52 0	5.0	4.57	3258,3612,4333	03,*04*,02
5357	1.9	−35 42	7.1	7.29	2884,2921,3615	11,*06*,*05*
1810	2.0	+32 57	6.7	6.33	3636,3640,3991	15,*12*,*02*
1817	2.0	+30 3	6.0	*5.37*		. . A
1221	2.1	+59 32	7.0	7.16	3612,4333,4357	08,02,*11*
1809	2.1	+49 43	7.5	7.58	4333,4357	*02*,02
1901	2.1	+26 1	7.3	6.80	3641,3646,3991	*12*,23,*12*
2144	2.1	+ 2 59	7.3	6.56	3272,3276,4352	*05*,*05*,09
8058	2.1	−23 45	7.5	8.01	3271,3983,3988	00,*05*,05
1916	2.2	+36 48	7.3	7.45	3636,3640	*01*,01
2751	2.3	−17 48	7.2	6.75	3270,3288,3988, 3988	*07*,*23*,27, 03
1984	2.4	+11 4	5.5	5.01	3276,3979,4352	*07*,07,*01*
2800	2.4	−12 55	7.0	6.95	3270,3288,3988	*01*,03,*03*
1984	2.6	+15 i	7.5	*7.48*		*09*,09, .
723	2.7	+63 55	5.0	4.75	3236,3238,3239, 3240,3245,3258, 3269,3276,3294, 3295,3300,3305, 3601,3604,3606, 3607,3612,3612, 3628,3632,3636, 3655,3659,3660, 3665,3970,3972, 3975,3997,3999, 4000,4009,4013, 4014,4015,4018, 4031,4334,4338, 4345,4348,4349, 4355,4357,4358, 4380,4381,4383, 4387	03,*07*,*17*, *17*,*07*,22, 03,12,03, 02,03,22, *16*,02,17, 32, R,*13*, *21*,*09*,32, 08,*15*,*28*, 03,38,*07*, *11*,*11*,01, *12*,*04*,29, *12*,17,*15*, 19,05,*24*, 05,06,*09*, *21*,13,05, *22*,*28*,13, 04
1949	2.7	+34 18	6.5	6.00	3643,4333,4354	03,01,*03*
1973	2.8	+12 20	7.5	*7.36*		. A .
365	2.9	+75 41	7.0	*7.67*		A . .
2746	2.9	−10 6	7.4	*7.71*		A . .
1924	3.0	+40 53	9.0	9.87	3659,3660,4005, 4005,4012,4012, 4014,4014,4363, 4363,4366,4366, 4374,4374	26,*30*,*16*, 09,18,*04*, *14*,*35*,*04*, 07,01,29, *01*,17
1715	3.0	+27 3	6.0	*5.90*		. . A
2207	3.0	− 2 4	7.0	*7.12*		A . .
2747	3.0	− 9 27	7.5	7.78	3262,3270	*04*,03
2554	3.0	−11 37	7.5	7.29	3270,3288	09,*09*
5266	3.4	−38 25	7.5	7.36	3247,3271,3283, 3615	08,19,*02*, *23*
6274	3.5	−27 47	7.5	7.58	3251,3271	*04*,03
1941	3.6	+31 7	7.5	7.71	3636,3640	03,*03*
2061	3.6	+22 27	4.8	*5.23*		. . A
6948	3.6	−28 11	7.5	7.77	2928,3251,3271	*07*,05,01
2172	3.7	+ 7 55	7.3	7.09	3272,3276	*15*,15
6895	3.7	−25 27	4.9	4.94	3283,4334,4348	*01*,18,*16*
300	3.8	+79 41	7.3	*8.05*		A . .
2588	3.8	− 8 11	5.8	5.44	3262,3288,4352	*10*,*11*,21
2757	3.8	−14 44	7.2	*7.26*		A . .
2754	4.1	−10 21	7.1	*7.31*		A . .
2712	4.1	−15 52	6.8	6.56	3988,3999	09,*08*
444	4.3	+72 4	6.3	6.46	3258,3294,4012	08,09,*18*
6905	4.3	−25 26	6.9	6.81	2928,3251,3271	*09*,01,07
R	4.3	−43 2	. .	2.37	3612,3640,3646, 3650,3655,3658, 3659,3660,3665, 3666,3670,3972, 3979,3984,3997, 4000,4018,4027, 4333,4347,4348, 4383	*11*,*02*,04, R,*20*,31, *13*,40,03, *24*,24,*13*, *10*,*42*,*11*, 01,63,10, *15*,13,*23*, R
554	4.4	+70 21	7.4	7.68	3294,3295	*10*,09
1979	4.4	+11 58	7.0	*6.46*		. A .
2565	4.4	−11 57	6.1	5.90	3270,4352,4354	*02*,*01*,04
6766	4.4	−26 22	6.5	6.31	3248,3289,4334	*05*,*08*,14
555	4.5	+70 23	8.9	8.48	3995,3995,4012, 4012,4014,4014, 4366,4366,4374, 4374,4381,4381	01,05,*33*, *24*,00,18, *11*,17,09, 11,00,03
2167	4.5	+40 13	7.5	*7.87*		A . .
2765	4.5	−17 55	6.2	5.76	3270,4352,4354,	*08*,09,*01*
2063	4.6	+22 24	6.5	6.12	3643,4333,4354	05,08,*13*
2803	4.6	−20 31	7.2	*7.42*		A . .
2593	4.7	− 8 23	5.8	5.71	3288,4352,4354	02,13,*16*
5292	4.7	−38 22	8.3	7.32	3248,3271,3615, 3983,3988,3994	39,36,*28*, *24*,*04*,*19*
2755	4.8	− 9 32	7.3	7.64	3262,3262,3288	20,00,*21*
2168	4.9	+40 42	7.5	7.71	3636,3640	*10*,10
6297	4.9	−27 45	8.1	8.28	3248,3271	*04*,03

9^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1488	5.0	+50 52	6.5	6.59	3258,3614,4012	01,10,*12*
1688	5.1	+45 13	7.3	*7.52*		▲ . .
2507	5.1	−22 12	7.2	7.94	3283,3289	*03*,02
359	5.3	+77 29	6.8	6.88	3294,4012,4013,4014	*13*,21,*07*,*03*
2738	5.3	− 5 45	7.5	7.56	3262,3288	01,00
1208	5.4	+57 21	7.0	7.08	3614,3632	*05*,05
6918	5.4	+25 24	7.0	6.85	3248,3251,3983	05,*03*,*01*
7185	5.4	−29 25	7.0	6.81	3248,3271,3983	*13*,12,01
2701	5.5	−16 27	7.2	7.08	3270,3288	03,*03*
2769	5.7	−14 30	7.5	7.61	3270,3288	*17*,17
7194	5.7	−29 57	6.0	5.67	3289,4334,4348	*07*,21,*15*
452	5.8	+73 22	6.0	5.93	3294,4333,4355	12,*07*,*04*
2512	5.9	−22 46	6.3	6.49	3271,3283,3983	05,10,*15*
2133	6.1	+ 9 23	6.8	*7.12*		. ▲ .
6930	6.1	−25 53	7.3	7.28	3248,3251	10,*09*
2138	6.3	+18 27	6.8	*6.75*		. ▲ .
2477	6.3	+ 0 42	7.4	7.04	3979,3980	04,*03*
6319	6.3	−27 47	7.5	8.49	3248,3251	15,*15*
5330	6.3	−38 20	7.5	7.55	3247,3271,3615,3983,3988,3994	41,*27*,*06*,04,02,*13*
1058	6.4	+61 50	5.0	5.27	3238,3241,3245,3247,3262,3267,3276,3294,3300,3303,3305,3601,3606,3607,3611,3612,3615,3640,3641,3650,3655,3665,3975,3984,3994,3997,4000,4009,4014,4015,4016,4017,4018,4036,4334,4345,4347,4349,4352,4355,4358,4368,4380,4381,4383,4387	01,01,*19*,*09*,01,*10*,*10*,*19*,01,*11*,00,02,12,*24*,02,09,*25*,09,05,14,*19*,*02*,12,*08*,*13*,16,*27*,23,*09*,02,03,14,20,25,31,14,R,*04*,05,09,07,*25*,12,07,*08*,*24*
2120	6.7	+ 5 53	7.0	6.21	3272,3276,3979	*07*,*07*,13
2003	6.9	+15 24	7.0	*6.40*		. *09*,09
1650	7.0	+47 24	7.5	7.52	3614,3632	*08*,07
2139	7.0	+ 4 17	7.2	6.11	3272,3276,3979	*10*,*10*,19
2604	7.1	− 4 9	7.4	7.42	3262,3288	05,*06*
6337	7.2	−28 1	7.2	7.75	3251,3271	*13*,13
1893	7.3	+43 38	5.0	*5.37*		. . A
2644	7.4	−19 20	6.3	*5.84*		06, . *06*
5454	7.4	−35 20	7.4	7.37	3247,3271,3615	25,*15*,*10*
R	7.4	−44 27	. .	4.88	3612,3640,3646,3650,3655,3659,3979,3983,3984,4000	*01*,06,11,R,08,09,*05*, R,*18*,*06*

D.M.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1375	7.5	+56 2	7.5	7.46	3614,3632	01,*02*
2845	7.5	− 6 42	6.3	*5.93*		. . A
6342	7.6	−27 54	7.3	7.12	3248,3251	10,*10*
2054	7.7	+24 42	7.5	*7.81*		A . .
2814	7.7	− 2 37	7.5	7.24	3262,3288	*04*,05
5358	7.8	−38 51	6.7	5.85	2912,2921,3615	*15*,10,04
1991	7.9	+21 42	6.5	6.09	3641,3643,3991	*01*,26,*24*
6966	8.0	−25 11	7.1	7.22	3271,3271,3283	R,16,*17*
7019	8.1	−28 32	6.8	6.77	3271,3283,3983	01,09,*10*
557	8.3	+70 18	7.0	7.19	3258,3658	*02*,02
1211	8.5	+57 10	5.0	*5.37*		. . A
2065	8.6	+25 26	7.0	7.02	3641,3643	*05*,05
2228	8.7	+39 2	7.0	6.75	3636,3640,3991,4333,4354,4357,4366	*15*,*07*, R,*07*,46,*19*,00
7301	8.8	−30 39	7.3	7.22	2921,2922,3283,3615	23,*16*,*05*,*04*
7846	8.9	−24 13	7.4	7.74	3271,3283	27,*27*
1285	9.0	+54 26	5.7	*4.88*		. *12*,12
1966	9.1	+35 3	6.3	5.97	3640,3991,4333,4354,4357	11, R,01,07,*20*
7239	9.1	−29 15	7.0	6.53	3271,3283,3983	20,*01*,*19*
2167	9.2	+ 2 44	4.3	3.86	2904,4352,4354	*14*,12,01
2786	9.3	−14 17	6.9	6.58	3988,3999	*08*,09
2530	9.3	−22 27	7.0	7.56	3283,3289	03,*02*
1897	9.4	+42 51	7.5	7.82	3614,3632	04,*04*
2063	9.4	+23 47	7.5	7.87	3641,3643	*07*,07
6370	9.4	−27 53	7.5	7.51	3248,3251,3983,3988,3994	31,*09*,*04*,*10*,*06*
393	9.5	+74 26	6.5	6.67	4012,4013	*07*,07
5376	9.5	−38 12	7.0	6.18	2912,2921,3245	*26*,*02*,27
2009	9.7	+15 22	5.8	*5.57*		. . A
2158	9.8	− 1 10	7.1	6.99	3262,3288,3633,3655,3659	01,*10*,*11*,00,18
2168	9.9	+ 2 29	7.5	7.62	2904,3272	00,*01*
2615	10.0	− 8 20	7.5	7.08	3262,3288	*04*,05
6187	10.1	−32 8	7.0	6.72	2921,2922,3251	08,*13*,06
1182	10.4	+57 54	7.1	7.80	3614,3632	02,*02*
2065	10.4	+23 50	7.0	7.50	3641,3643	*02*,03
2542	10.4	−22 23	7.7	8.14	3271,3283	02,*03*
1183	10.5	+58 20	7.5	7.62	3614,3632	*06*,07
2766	10.5	− 8 4	7.0	6.88	3262,3288,3988	*04*,*05*,09
2660	10.5	−19 42	7.3	*7.34*		A . .
R	10.6	−42 49	. .	5.04	3612,3615,3640,3646,3650,3655,3972,3979,3983,3984,3997,4000,4018,4027,4333	*06*,*02*,08,14,35,*04*,*01*,*30*,*10*,*16*,*03*,*12*,25,10,*03*
2793	10.7	−14 36	6.8	6.26	3655,4352	*07*,08
2618	10.7	−19 11	7.2	7.37	3270,3288	*12*,12

9^h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′						m.	° ′				
5504	10.7	−35 38	7.5	7.21	2921,2922,3247	*15*,07,09	1971	12.3	+35 47	6.7	*5.76*		*04*, . 04
1658	10.8	+47 14	6.5	5.79	3614,3632,4357	*10*,18,*08*	2745	12.3	−21 32	7.3	7.98	3283,3289	03,*02*
2187	10.8	+19 14	7.0	6.87	3272,3276,3979	*10*,10,00	*2271*	12.4	+ 0 59	7.3	6.94	2904,3660,3979	08,*05*,*02*
6196	10.8	−32 39	7.5	7.53	3251,3271,3615	*08*,27,*20*	*2808*	12.4	−14 9	6.6	*6.00*		. . A
2841	11.0	−12 43	7.5	7.54	3270,3288	24,*24*	*2009*	12.5	+11 55	7.0	6.29	3272,3276,3979	05,15,*21*
5578	11.0	−37 11	6.6	5.91	2912,2921,3615	*04*,08,*03*	1660	12.6	+47 23	7.2	6.93	3614,3632,4012	*13*,03,09
2544	11.1	−23 4	7.0	7.72	3283,3289	07,*08*	1965	12.6	+37 14	4.2	*3.82*		. . A
2772	11.2	− 7 56	7.5	7.08	3262,3288	06,*05*	2199	12.6	+ 8 22	7.2	*7.19*		. A .
1969	11.3	+33 56	7.4	6.84	3636,3640,3991	*09*,34,*25*	2601	12.7	−11 32	7.7	*7.32*		. A .
2226	11.4	+39 38	7.5	*7.97*		A . .	R	12.7	−43 51	. .	5.08	3632,3984,4018	04,*20*,16
2835	11.4	−21 6	7.5	8.12	3283,3289	*08*,07	2231	12.8	+39 8	8.5	8.97	4366,4366,4374,	*08*,02,00,
6208	11.4	−32 54	7.1	7.04	2922,3251,3615	08,*11*,04						4374,4380,4380,	02,11,*01*,
370	11.5	+75 20	7.3	*7.38*		09, . *10*						4380,4380,4381,	06,*08*,06,
2068	11.5	+24 4	7.3	7.20	3641,3643	*05*,05						4381,4381,4381,	10,06,03,
2267	11.5	+ 1 9	6.8	6.54	2904,3272,3979	18,*13*,*06*						4383,4383,4383,	*08*,*04*,*02*,
6881	11.6	−26 47	7.5	7.74	3251,3271,3983,	*27*, R ,*05*,						4383,4386,4386,	*22*,*12*,01,
					3988,3994,4334,	*03*,*12*,31,						4386,4386,4387,	*18*,*12*,22,
					4352	18						4387,4387,4387	18,15,03
6415	11.6	−27 47	7.5	8.09	3248,3251	15,*15*	1181	12.9	+60 12	7.3	7.32	3245,4357	*04*,05
2762	11.7	− 5 56	5.8	5.37	3262,4352,4354	00,*09*,09	2845	12.9	−20 55	7.7	8.06	3283,3615,3628	*02*,28,*25*
2804	11.7	−13 25	7.1	6.73	3270,3288,3988	01,*05*,04	1114	13.0	+61 48	7.5	7.58	3258,3294	*01*,00
2836	11.7	−20 47	7.7	7.88	3283,3628	06,*07*	5430	13.1	−38 59	5.8	5.39	3612,3632,3640,	03,10,11,
5408	11.7	−38 9	5.5	5.11	3245,3607,3612,	*06*,*05*,01,						3646,3666,4000,	*17*,*12*,13,
					3615,3628,3632,	*20*,*06*,*01*,						4018,4027,4333,	14,*17*,*02*,
					3640,3646,3650,	18,01,32,						4334,4347,4388	*05*, R ,04
					3655,3658,3659,	*23*,*08*,*09*,	5345	13.1	−39 42	7.3	6.98	2912,2921,3628	*13*,04,09
					3665,3670,3972,	05,02,*08*,	1927	13.4	+26 40	6.7	6.63	3643,3646,3991,	25,*03*,*39*,
					3983,3984,3997,	*05*,*10*,35,						4333,4354,4357	11,*07*,14
					4000,4018,4027,	03,06,06,	2165	13.4	+18 8	7.0	*6.56*		. . A
					4333,4334,4347,	*13*,*13*,51,	*1330*	13.5	+52 53	7.0	6.57	3614,3632,4012	*10*,09,01
					4348,4383	*31*,00	5549	13.7	−35 16	7.5	7.76	3283,3289,3628	*11*,06,05
1729	11.8	+27 51	6.7	6.53	3643,3646,3991	23,07,*29*	1495	13.8	+51 42	6.5	6.12	3614,3632,4012,	*18*,22,11,
2623	11.8	− 8 19	6.2	5.40	3288,4352,4354	*07*,02,05						4348,4348,4352,	*04*,*10*,06,
2629	11.8	−19 2	7.0	7.26	3270,3283	*01*,00						4352,4366,4366	01,*04*,*04*
7084	11.8	−28 28	7.3	7.24	3251,3288	08,*08*	*2083*	14.0	+24 51	7.3	*7.81*		A . .
5505	11.8	−37 0	5.1	4.62	3245,3612,3615,	*04*,00,05,	5543	14.0	−36 58	7.3	6.99	2912,2921,3628	*02*,10,*09*
					3632,3640,3646,	21,*03*,13,	1972	14.1	+10 13	7.2	*7.35*		A . .
					3655,3658,3659,	13,*02*,*10*,	*2240*	14.1	− 2 1	7.3	7.74	3262,3288	*04*,05
					3665,3666,3972,	00,*27*,10,	517	14.3	+69 47	7.4	*7.39*		A . .
					3979,3983,3984,	*10*,07,01,	2749	14.3	−16 22	7.0	6.91	3270,3288,3988	00,*16*,15
					4000,4018,4027,	*13*,26,32,	*305*	14.4	+78 51	7.4	R		
					4333,4334,4347,	*11*,05,*42*,	1214	14.4	+57 8	5.8	6.05	3632,3633,4357	*02*,08,*05*
					4348,4383	07,*15*	2801	14.4	−10 44	7.5	7.69	3270,3288	*11*,11
5590	11.9	−37 13	7.3	6.98	2912,2921,3615	*04*,*01*,05	2158	14.6	+ 5 39	7.1	*6.51*		. A .
703	12.0	+65 28	7.5	7.62	3258,3294	15,*14*	*2756*	14.6	−22 8	7.5	7.14	3283,3289	*03*,02
1883	12.0	+29 0	7.0	7.26	3643,3646	00,*01*	5953	14.6	−33 40	7.3	7.46	2891,2921,3615	*08*,13,*06*
2173	12.0	+ 2 22	7.5	6.84	2904,3272,3979	*02*,*13*,15	5457	14.6	−38 37	7.2	6.66	2891,2912,3628	16,*23*,06
2072	12.1	+23 30	6.5	7.13	3643,3646	12,*12*	2025	14.7	+38 37	6.7	5.86	3636,3640,3991	12,05,*18*
2788	12.1	− 9 12	7.4	7.64	3262,3288	00,*01*	2804	14.7	−10 53	6.8	6.51	3988,3999	*04*,04
2794	12.1	−10 41	6.3	6.54	3988,3999	*04*,03	1708	14.8	+45 47	6.8	6.72	4012,4013	*07*,08

9^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
2763	14.9	−15 24	6.0	*5.96*		01, . *02*	1389	18.1	+52 1	6.7	6.37	3612,3614,4012	*02*,06,*05*
2194	15.0	+40 5	6.8	*7.12*		A . .	*2178*	18.1	+ 3 57	7.8	6.90	3272,3276,3979	01,01,*01*
1979	15.0	+34 49	3.1	*3.23*		*06*, . 06	1978	18.2	+37 2	7.0	6.45	3640,3643,3991	*01*,13,*11*
2198	15.0	+19 33	7.5	*7.30*		A . .	2314	18.2	+20 48	7.4	*7.77*		. . A
2609	15.0	−11 33	5.5	*4.99*		. . A	2215	18.2	+ 8 9	7.8	*7.25*		. A .
2195	15.1	+40 43	6.8	7.00	3643,3646,3647,	09,04,02,	6008	18.2	−33 34	7.5	7.70	3251,3283,3615	10,06,*17*
					3991,4005	*22*,09	1938	18.3	+26 20	7.0	6.82	3646,3647,3991	*01*,00,02
2864	15.2	−12 53	7.0	7.21	3270,3288	13,*13*	2169	18.4	+ 5 39	7.5	*6.81*		. A .
2084	15.3	+25 36	7.0	7.26	3643,3646	02,*03*	*2196*	18.4	+ 2 50	7.5	7.50	2904,3272,3660,	12,*09*,*10*,
2498	15.3	+ 0 42	8.2	7.66	2904,3658	*04*,04						3665,3666	06,03
1848	15.4	+33 21	6.8	6.22	3636,3640,3991	*04*,06,*03*	5514	18.4	−38 57	7.5	7.30	2891,2912,3628	08,*13*,04
2801	15.4	− 9 11	7.3	6.87	3262,3288,3988	*23*,06,18	*2089*	18.5	+24 53	7.3	*8.16*		A . .
1499	15.5	+51 26	8.3	8.42	3614,3633	*14*,14	*7391*	18.5	−30 5	7.6	7.77	2922,3251,3615	13,*02*,*10*
2499	15.5	+ 0 36	7.5	6.82	2904,3272,3979	00,*21*,20	1299	18.6	+54 28	7.5	*7.36*		A . .
1865	15.6	+32 41	7.0	6.58	3636,3643,3991	05,14,*19*	2080	18.6	+24 1	7.0	7.26	3646,3647	*03*,03
2643	15.6	− 9 8	5.0	4.98	3988,4352,4354	*09*,22,*14*	2886	18.6	−20 36	6.8	7.14	3289,3295	05,*05*
5973	15.6	−33 41	6.7	6.29	2891,2921,3615	09,10,*18*	*5827*	18.7	−35 5	7.5	7.07	3283,3289,3628,	38,*35*,12,
1633	15.7	+49 57	6.8	6.89	4012,4013	*05*,05						3983,3988,3994	*01*,*08*,*05*
1833	15.7	+48 51	7.3	7.36	3612,3614	*06*,07	5446	18.7	−39 21	7.1	6.50	2912,2921,3628	*19*,07,13
2027	15.7	+15 48	6.7	6.44	3979,3980	*08*,09	1939	18.8	+26 37	4.2	4.60	3643,3646,3647,	*12*,04,19,
2574	15.7	−23 3	7.5	7.58	3251,3283	*02*,01						3991	*13*
5790	15.8	−35 4	7.1	7.16	3248,3251,3628	09,02,*10*	2770	18.8	−16 14	7.5	7.28	3270,3288	*07*,07
2065	15.9	+17 2	6.8	6.79	3272,3276,3979	*02*,*02*,04	2182	18.9	+18 35	6.8	7.12	3272,3276	*05*,05
2074	15.9	+13 33	7.0	*6.58*		. A .	7196	18.9	−28 24	5.3	4.88	3248,3283,3295,	04,08,*06*,
2193	16.0	+ 3 22	7.2	7.02	2904,3272,3979	*10*,*11*,21						3300	*04*
2201	16.1	+19 11	7.5	7.72	3272,3276	*05*,05	*2609*	19.0	− 5 2	7.5	*7.25*		A . .
7158	16.1	−28 42	7.2	7.32	3251,3283	08,*08*	2318	19.1	+20 14	6.3	6.60	3991,4005	04,*05*
2197	16.2	+40 40	7.5	7.71	3659,3991,4005,	19,*17*,06,	2183	19.1	+18 8	7.0	7.17	3272,3276	10,*10*
					4012	*07*	2169	19.2	+ 6 47	7.2	*6.81*		. A .
2828	16.2	−15 11	6.8	6.26	3988,3999	02,*01*	6340	19.4	−32 46	6.9	6.56	2891,2921,3615	17,*12*,*06*
7161	16.5	−28 22	7.8	7.54	3251,3283	*02*,02	*1978*	19.5	+30 56	7.5	7.77	3640,3643	07,*07*
7162	16.5	−31 20	7.3	6.78	2891,2921,2922	*08*,*06*,14	5839	19.7	−34 49	6.7	6.52	2891,2921,3615	09,*01*,*08*
5668	16.5	−37 9	6.7	6.11	2891,2912,3628	11,*24*,13	5721	19.7	−37 19	6.9	6.27	2891,2912,3628	*08*,*13*,20
1118	16.6	+60 52	7.3	7.48	3258,3294	*11*,10	2672	19.9	− 3 51	7.0	6.88	3262,3288,3988	*08*,01,06
2859	16.7	− 2 22	7.2	7.10	3262,3288	10,*11*	2078	20.0	+17 1	6.3	6.27	3272,3276,3979	*10*,00,11
2863	16.9	− 2 23	8.5	8.10	3262,3288	00,*01*	2173	20.1	+ 6 41	7.7	7.52	2904,3659	*07*,06
561	17.0	+70 47	7.5	7.38	3258,3294	09,*10*	2834	20.1	−10 30	7.5	*7.71*		A . .
1852	17.1	+33 22	7.5	7.73	3640,3643	04,*04*	7219	20.1	−28 45	7.2	7.65	2922,3283	*09*,09
2877	17.1	−13 6	7.5	7.76	3270,3288	08,*08*	1773	20.3	+48 13	7.5	7.56	3612,3614	*02*,01
7114	17.1	−25 32	5.2	5.06	3283,3295,4334	*13*,*14*,27	2778	20.3	−16 47	7.2	7.30	3270,3288	08,*08*
5992	17.3	−33 54	7.5	7.69	3283,3289,3615	05,13,*18*	5541	20.3	−38 59	6.5	5.99	2891,2912,3628,	*01*,*22*,23,
2782	17.4	− 5 37	7.5	*7.10*		A . .						4388	00
377	17.5	+75 33	6.2	6.28	3258,3267,4355	16,06,*23*	2616	20.4	− 4 41	5.5	5.79	3999,4352,4354	*08*,07,01
733	17.7	+64 23	6.5	6.38	3983,4012	*01*,02	256	20.5	+83 22	7.2	*7.12*		A . .
2088	17.7	+25 36	6.5	*6.52*		04, . *05*	1961	20.5	+41 28	7.3	7.72	3614,3632	*21*,22
2602	17.8	− 4 37	7.5	7.46	3262,3288	*09*,10	*1984*	20.5	+36 55	7.3	6.90	3640,3643,3991	*04*,17,*13*
2835	17.8	−14 48	7.3	6.70	3988,3999	05,*06*	2215	20.9	+19 31	7.5	*7.55*		A . .
2835	17.8	−17 27	7.5	6.82	3270,3288,3988	*24*,10,13	5664	20.9	−35 28	7.5	7.59	3251,3289,3628	*03*,10,*07*
1635	17.9	+50 43	7.5	7.06	3612,3614	15,*14*	2193	21.0	− 0 48	6.6	6.68	3988,3999	*03*,02
2816	18.0	− 9 24	6.8	6.39	3988,3999	10,*10*	1915	21.1	+43 12	6.8	7.37	3614,3632	*10*,10

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
8060	21.1	−24 54	7.1	6.72	2922,3289,3983	02,06,*08*
2195	21.3	− 1 1	6.2	*6.14*		09, . *10*
2855	21.3	−17 30	7.0	7.07	3270,3288,4352	*09*,*05*,14
1963	21.4	+41 38	7.3	7.42	3614,3632	*10*,09
2903	21.4	−20 19	7.2	7.16	3295,3300	*07*,06
2095	21.5	+14 44	7.2	*7.06*		03,*04*
6383	21.5	−32 44	7.5	7.71	3295,3300,3615	*06*,05,01
5494	21.7	−39 53	7.5	7.21	2891,2912,3628,	R,*22*,25,
					3983,3988,3994,	*06*, R,*02*,
					4334,4348,4354	21,01,*17*
8076	21.8	−24 40	8.3	8.36	3988,3988,3994,	*06*,*20*,13,
					3994,4005,4005,	*09*,*04*,11,
					4352,4352,4363,	05,04,17,
					4363,4366,4366	07,*08*,*05*
1509	22.1	+46 2	5.5	5.46	3612,3614,4357	09,14,*22*
2177	22.1	+ 6 39	7.3	*6.71*		. A .
8373	22.1	−23 44	6.8	6.82	3289,3295,3983	09,*03*,*07*
1386	22.2	+56 41	6.5	6.94	3614,3632,4012	*09*,01,08
2678	22.2	−18 43	7.1	6.83	3270,3288,3988	22,*14*,*08*
2678	22.3	− 8 47	6.8	*6.45*		. A .
2896	22.3	−12 29	7.5	7.69	3270,3288	09,*09*
2799	22.3	−15 35	7.2	*7.15*		A . .
7271	22.4	−28 21	6.5	6.02	3251,3289,4334	*20*,16,05
6070	22.4	−33 27	7.1	6.88	2891,2921,3615	*08*,04,05
459	22.5	+72 34	7.2	7.54	3258,3267	*10*,10
2685	22.5	− 3 22	7.5	7.70	3262,3288	*20*,19
1192	22.6	+58 34	7.5	8.13	3614,3632	*02*,02
572	22.7	+67 58	6.8	7.22	3258,3267	05,*05*
1388	22.7	+56 11	6.6	6.46	3614,3632,4012	*20*,07,13
2680	22.7	− 8 14	2	*2.29*		. . A
2802	22.7	−21 54	4.7	4.88	3300,4334,4348	*18*,22,*05*
2802	22.8	− 5 38	6.0	5.47	3288,4352,4354	*01*,00,01
302	22.9	+81 46	4.3	*4.58*		15, . *16*
6077	23.0	−33 21	7.1	7.13	2891,2921,3615	07,*01*,*07*
1968	23.1	+40 53	7.5	8.50	3614,3658	*13*,12
2094	23.1	+13 5	7.5	7.58	2907,3272	00,*01*
2188	23.1	+ 9 30	5.3	5.55	4352,4354	*02*,02
2860	23.1	−14 26	7.5	7.46	3270,3288	08,*08*
2096	23.2	+12 49	7.2	6.92	2907,3272,3979	*14*,*05*,18
2226	23.2	+ 8 37	6.0	*5.85*		. 07,*07*
2841	23.2	− 9 35	7.5	7.18	3262,3288	*04*,05
594	23.3	+67 19	7.5	8.02	3258,3267	15,*15*
2813	23.3	− 7 17	7.2	7.06	3262,3288	*09*,10
5682	23.3	−36 26	7.3	7.69	3295,3300,3628	*18*,14,05
2097	23.4	+13 1	7.5	7.72	2907,3272	06,*05*
2843	23.4	− 9 33	7.0	6.87	3262,3288,3988	*03*,*04*,07
2807	23.4	−22 6	7.3	7.36	3289,3295	00,00
5895	23.5	−34 34	7.3	6.48	2891,2921,3628	*15*,06,10
845	23.7	+63 30	3.5	3.72	3247,3248,3251,	16,*34*,*04*,
					3262,3267,3271,	*14*,05,35,
					3272,3283,3289,	*24*,*04*,*15*,
					3300,3601,3611,	16,28,*26*,
					3614,3615,3624,	*24*,00,*16*,
					3650,3665,3666,	*20*,04,*01*,
					3670,3679,3979,	24,19,10,
					3980,3984,3995,	*17*,38,11,
					3998,4012,4014,	*38*,*04*,33,
					4016,4017,4018,	*08*,*09*,*32*,
					4027,4031,4333,	15,07,15,
					4347,4348,4349,	R,*16*,09,
					4352,4357,4374,	*19*,16,16,
					4383,4386,4387,	09,06,03,
					4388	*12*
2016	23.7	+42 42	7.3	7.81	3614,3658	*06*,06
1238	23.8	+59 11	6.8	*7.66*		A . .
2845	23.8	− 9 50	7.5	*7.71*		A . .
2207	24.0	+18 4	7.5	7.48	2907,3272	00,*01*
2201	24.0	− 0 49	6.7	6.30	3988,3999	*08*,09
5905	24.0	−34 28	7.6	7.09	2891,2921,3628	14,05,*19*
1726	24.1	+45 12	7.2	*7.12*		A . .
1889	24.1	+32 28	7.5	7.80	3643,3655	08,*09*
2901	24.1	− 2 19	5.0	*4.63*		. . A
1992	24.2	+31 45	7.3	7.60	3643,3655	06,*07*
8115	24.2	−24 59	7.3	7.06	2922,3289	08,*08*
2904	24.3	− 2 44	7.3	6.87	2936,3262,3988	08,*17*,10
1728	24.4	+45 7	7.5	*7.72*		A . .
2268	24.4	− 1 46	6.7	6.04	2936,3262,3988	01,16,*16*
1339	24.5	+55 42	7.5	8.01	3614,3632	*12*,12
2866	24.5	−13 18	7.2	7.26	3270,3288	*02*,02
2693	24.6	− 3 48	6.5	6.41	2936,3262,3988	*06*,19,*14*
2915	24.6	−20 19	5.7	*5.96*		*03*, . 02
1999	24.7	+34 5	6.7	5.95	3646,3655,4354	01,00,*02*
2804	24.7	−17 4	7.2	7.05	3270,3288	13,*13*
2100	24.8	+22 16	7.0	6.81	3655,3659,3991	10,15,*24*
2100	25.0	+13 23	8.0	8.12	3272,3288	05,*05*
5724	25.1	−35 30	5.0	4.78	3251,3303,3614,	08,16,*11*,
					3615,3632,3655,	13,09,00,
					3666,3980,4334,	*13*,*29*,01,
					4347,4348,4383,	17,*18*,06,
					4387,4388	03,02
5620	25.1	−38 34	7.5	7.42	2891,2912,3628	*07*,*26*,32
7114	25.2	−26 9	7.2	6.80	2922,3289,3983	*20*,16,03
5817	25.2	−37 57	6.6	6.05	2912,2921,3628	*30*,23,07
504	25.3	+71 30	7.3	7.27	3258,3267	*10*,10
2623	25.3	−22 54	6.5	6.50	3289,3295,3983	*06*,02,04
8145	25.3	−25 5	7.7	7.57	3289,3295	11,*11*
462	25.4	+72 39	6.0	5.85	3248,3251,3258,	*09*,20,09,
					3271,3272,3283,	*01*,00,*10*,
					3289,3300,3303,	*01*,*10*,07,
					3305,3307,3601,	*30*,*01*,*36*,

9^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3614,3615,3624,	10,10,*14*,						3666,3980,4017,	*25*,08,*17*,
					3665,3666,3670,	12,*10*,25,						4027,4334,4347,	02,*04*,37,
					3677,3679,3681,	*16*,04,05,						4348,4387,4388	01,04,04
					3979,3980,3994,	19,*06*,*14*,	*1347*	26.9	+52 52	7.5	7.53	3614,3658	02,*02*
					3995,3998,4012,	*01*,*04*,13,	1775	26.9	+27 27	7.0	7.13	3655,3659	01,*01*
					4017,4018,4027,	*03*,*13*,*10*,	2211	26.9	− 0 44	4.8	*4.40*		. . A
					4031,4036,4333,	16,04,*07*,	*2629*	26.9	−23 3	7.3	7.65	3295,3300	07,*07*
					4348,4354,4357,	*09*,10,09,	*623*	27.1	+65 50	7.3	7.92	3258,3267	*15*,15
					4374,4386,4388,	*13*,09,01,	2858	27.1	− 9 55	5.5	6.36	3988,4381	03,*03*
					4398,4401,4406	12,16,*02*	1312	27.3	+54 29	7.4	*7.16*		A . .
1768	25.4	+27 50	6.7	6.59	3659,3991,4005	09,*23*,15	2147	27.3	+ 7 30	7.5	7.50	2904,3272	*05*,04
2015	25.5	+35 33	5.7	5.51	3659,4354,4357	15,06,*22*	7369	27.3	−31 25	6.3	5.89	3295,3303,3983,	06,*19*,*13*,
7117	25.5	−26 9	6.0	5.66	3289	A						3988,3994	01,23
565	25.6	+70 16	5.2	4.51	4012,4355,4357	*04*,19,*15*	5751	27.3	−35 16	6.4	6.02	2892,2921,3614	*04*,*04*,07
1992	25.6	+36 52	6.8	7.07	3659,3991,4005	04,*05*,02	*1998*	27.4	+36 56	6.8	*6.41*		. *07*,07
6651	25.6	−27 48	7.0	7.38	2922,3289	*04*,08	*1913*	27.4	+28 49	7.0	6.35	3655,3659,3991	15,19,*34*
2698	25.7	− 3 38	7.3	7.28	2936,3262	07,*08*	5740	27.4	−36 18	7.0	7.15	3251,3295,3628	04,*04*,01
2867	25.7	−15 9	6.3	6.00	3270,4352,4354	01,05,*05*	2217	27.5	+ 2 19	6.2	6.18	2904,3272,3979,	*16*,*07*,08,
8441	25.7	−23 50	7.0	6.81	3295,3300,3983	08,05,*13*						4352	13
7336	25.7	−28 9	7.2	7.49	2922,3289	*09*,09	1132	27.7	+61 20	7.5	7.17	3258,3267	*10*,10
1873	25.8	+44 11	7.3	7.62	3614,3658	*02*,01	2708	27.7	−18 58	6.2	*5.71*		. . A
2331	25.9	+20 42	7.2	7.18	3659,3991	15,*16*	1848	27.8	+49 12	8.0	7.65	3994,3994,3995,	03,01,*03*,
2104	25.9	+13 18	7.0	6.98	2907,3272,3979	00,*11*,11						3995,4000,4000,	*15*,*07*,01,
2221	25.9	+ 3 32	7.2	7.22	2904,3272	10,*11*						4366,4366,4374,	16,*03*,14,
2820	25.9	− 5 13	7.0	6.89	2936,3988,3999	03,*04*,02						4374,4380,4380	14,*05*,*15*
597	26.0	+67 14	7.2	7.37	3258,3267	10,*10*	1683	27.8	+47 20	6.8	6.43	3614,3658,4012	*02*,08,*07*
1780	26.0	+48 36	7.3	7.87	3614,3658	11,*11*	464	27.9	+72 32	7.3	7.24	3258,3267	10,*10*
2107	26.1	+23 25	4.5	*4.57*		. . A	567	28.0	+70 5	7.5	7.26	4012,4013	*24*,25
2332	26.1	+20 26	7.5	7.37	3659,3991	16,*16*	1402	28.0	+52 30	5.0	4.57	3614,3632,4355	*27*,19,09
7611	26.1	−31 6	7.3	7.20	2921,2922,3628	02,02,*04*	5667	28.0	−38 30	7.4	7.54	3251,3295,3628	*09*,23,*15*
6450	26.1	−32 57	7.0	6.85	3251,3295,3628	*02*,00,01	*2004*	28.1	+36 51	4.8	4.67	4005,4354,4357	02,05,*06*
402	26.2	+74 47	7.3	6.44	4012,4013	04,*04*	2022	28.1	+35 14	7.5	*7.87*		A . .
1401	26.2	+52 8	3.0	3.25	3632,4355,4357	01,*02*,01	*2836*	28.1	− 8 4	7.0	6.30	3262,3288,3988	14,*07*,*07*
1984	26.2	+16 13	7.5	7.78	2907,3272	*10*,09	*2926*	28.2	−13 4	6.0	*6.21*		. *03*,03
7258	26.2	−25 10	7.5	7.57	3289,3289,3295	11,01,*11*	2876	28.2	−13 34	7.0	7.11	3270,3288	*07*,07
2215	26.3	+ 1 54	7.2	6.95	2904,3272,3979	*03*,*04*,06	*2104*	28.3	+23 53	6.5	6.40	3991,4005	*26*,27
2916	26.3	− 2 53	7.2	7.52	2936,3262	23,*22*	2939	28.3	− 6 45	6.8	6.39	3262,3288,3988	08,*03*,*05*
7348	26.3	−28 19	7.0	6.75	2922,3289,3983	*05*,13,*08*	470	28.4	+73 32	6.5	6.43	3258,3267,3998	01,01,*03*
262	26.4	+82 49	7.5	*7.49*		A . .	5284	28.4	−40 13	6.0	5.30	3615,3624,3632,	03,*09*,06,
1657	26.5	+49 53	6.8	*6.50*		A . .						3980,3983,4017,	*06*,*04*,*25*,
2014	26.5	+10 9	6.0	5.18	3272,4352,4354	*04*,07,*02*						4027,4334,4348,	10,*07*,05,
7355	26.5	−31 26	5.6	5.60	3303	A						4387,4388	13,19
2102	26.6	+22 18	7.2	7.52	3655,3659	*13*,14	386	28.5	+75 39	6.8	6.70	3998,4012	*03*,04
2053	26.6	+11 45	5.3	5.04	4352,4363	08,*07*	851	28.6	+63 14	7.4	7.28	3258,3294	19,*20*
1521	26.7	+45 57	6.8	6.61	3614,3658,4012	00,12,*11*	2938	28.6	−20 57	7.0	6.70	3295,3300,3983	*01*,02,*02*
2652	26.7	−11 38	7.0	7.14	3270,3288	04,*04*	2936	28.7	−20 41	5.0	*5.14*		*04*, . 03
2917	26.8	− 2 57	7.5	7.48	2936,3262	07,*08*	2224	28.8	+40 4	4.7	4.89	3991,4354,4357	*02*,01,00
2856	26.8	−10 6	5.8	*6.08*		02, . *03*	2645	28.8	−22 26	6.1	*5.85*		. *01*,01
8457	26.8	−23 54	7.3	7.42	3295,3300	07,*06*	2226	29.1	+40 24	6.8	6.44	3991,4005	*27*,26
5580	26.8	−40 2	3.7	3.57	3615,3624,3632,	*02*,00,*07*,	5676	29.1	−38 42	6.8	6.26	2892,2912,3628	*03*,*13*,17

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1850	29.2	+48 56	7.0	6.92	3614,3658,4012	*07*,13,*06*
5679	29.2	−38 12	7.4	7.03	2892,2912,3628	*01*,*11*,11
568	29.5	+70 43	7.0	6.84	3258,3267,3998	03,03,*07*
2925	29.5	− 3 3	7.0	7.18	2936,3262	*03*,02
1224	29.6	+57 25	6.8	6.88	3614,3658,4012	*09*,*10*,20
1314	29.6	+54 34	7.5	*7.81*		▲ . .
2007	29.6	+31 31	7.5	7.96	3643,3655	15,*16*
2117	29.6	+13 6	6.5	*6.66*		. ▲ .
2240	29.6	− 5 28	6.7	5.81	3262,3276,3984, 3988,4352	*04*,04,14, *08*,*04*
1979	29.7	+36 16	5.5	*5.50*		. . ▲
2026	29.7	+35 12	7.5	*7.62*		▲ . .
2670	30.0	−11 41	6.3	6.73	3270,3276,3984	*05*,*04*,09
471	30.1	+73 11	7.0	6.98	3258,3267,3998	16,*14*,*01*
2666	30.1	− 4 27	7.5	7.44	2936,3262	*02*,08
2667	30.1	− 4 56	7.7	7.27	3984,3988	*01*,01
1198	30.2	+60 39	6.5	6.62	4012,4013	*10*,09
1246	30.2	+58 58	8.7	8.79	3994,3994,3995, 3995,4000,4000, 4366,4366,4374, 4374,4381,4381	02,*07*,*17*, *05*,*22*,*22*, 35,21,13, 11,02,*07*
5786	30.2	−36 23	7.5	7.65	3251,3295,3628	04,*04*,00
316	30.4	+79 16	7.5	8.02	3258,3267	09,*10*
2116	30.4	+23 38	7.5	7.50	3655,3659	*04*,05
2340	30.4	+20 29	7.0	7.19	3659,3666	*09*,09
2077	30.5	+14 49	6.8	*6.21*		*02*,*07*,09
360	30.6	+75 53	7.3	*7.52*		▲ . .
2011	30.8	+31 37	5.3	5.78	3655,4354,4357	08,06,*13*
6183	30.8	−33 56	7.1	7.24	3295,3300,3628	04,*03*,*01*
2658	30.9	−22 14	7.5	7.03	3295,3300	03,*03*
1780	31.0	+28 13	7.3	7.07	3655,3659	08,*08*
2728	31.0	−19 8	6.7	6.25	3270,3276,3984	*10*,02,07
5803	31.0	−35 23	6.8	6.27	2892,2921,3628	*02*,*01*,02
602	31.2	+67 43	6.5	6.28	3258,3267,3998	*01*,*01*,01
2120	31.3	+23 29	7.0	7.04	3655,3659	02,*03*
2108	31.3	+22 42	7.5	7.90	3655,3659	02,*02*
2934	31.4	− 2 20	7.5	7.08	2936,3262	07,*08*
2109	31.6	+16 54	6.3	*5.90*		. . ▲
7251	31.6	−27 5	7.3	7.50	2922,3289	*03*,03
1249	31.7	+58 59	7.3	7.52	3633,3658	15,*15*
2874	31.7	−10 50	7.3	7.58	3270,3276	00,01
2859	31.7	−21 33	7.5	7.33	3295,3300	13,*13*
2160	31.9	+ 7 17	5.8	5.25	3995,4352,4363	*10*,03,07
8263	32.0	−24 16	6.8	6.51	3251,4348,4352	*07*,11,*03*
7262	32.0	−26 53	7.7	8.11	3289,3300	02,*02*
2127	32.1	+25 8	6.5	6.57	3991,4005	*11*,11
2232	32.2	+40 42	5.5	*5.20*		. . ▲
5820	32.2	−35 52	7.5	7.48	3295,3300,3628	*10*,09,00
7269	32.4	−26 25	7.5	7.78	2922,3295	*01*,01
2229	32.5	+ 2 9	7.2	7.02	2904,3659,3666, 3670,3979,3995, 4005	00,14,03, 06,*12*,02, *12*
8272	32.5	−24 51	6.4	5.98	3289,4348,4352	00,07,*06*
2087	32.6	+14 48	6.8	6.54	3979,3995	*01*,01
2939	32.7	− 2 43	6.0	6.51	4354	▲
2128	32.8	+13 10	6.8	6.80	2907,3272,3995	*12*,*03*,15
1943	32.9	+43 36	6.5	6.63	3633,3658,4000	07,*10*,02
2725	32.9	− 8 59	6.0	*6.38*		. 02,*03*
7637	32.9	−29 46	7.5	7.48	2922,3289	05,*05*
7458	32.9	−31 44	6.2	5.72	3283,3295,3614, 3624,3980,4017, 4348,4352,4357, 4387,4388	21,00,*01*, 07,00,*20*, *03*,*03*,*07*, 12,*07*
1316	33.0	+53 57	7.0	7.40	3633,3658	10,*09*
1887	33.0	+30 36	7.5	8.02	3643,3655	05,*04*
7725	33.0	−30 32	7.2	7.02	2921,2922,3983	*17*,14,03
1944	33.1	+43 24	7.5	8.37	3633,3658	13,*13*
7641	33.1	−29 21	7.2	7.13	2922,3289	00,00
2207	33.2	+ 5 6	5.0	*4.78*		. *07*,08
2351	33.3	+20 45	6.5	6.70	3991,4000	*08*,08
5833	33.3	−35 39	6.4	6.00	2892,2895,3628	*05*,02,03
2033	33.4	+42 31	7.5	8.22	3633,3658	*16*,17
2033	33.4	+35 41	7.0	7.20	3643,3655	23,*22*
2733	33.4	− 3 24	7.5	7.14	3262,3276	06,*06*
7728	33.4	−30 14	8.0	7.70	2921,2922,3628	*22*,10,13
1989	33.5	+25 49	6.7	*7.19*		. ▲ .
2072	33.5	+21 40	7.5	7.84	3659,3660	04,*03*
531	33.7	+69 42	6.1	5.71	3267,3294,4355	16,*13*,*04*
466	33.8	+72 42	5.3	*5.30*		. . ▲
1319	33.8	+53 50	7.3	7.74	3633,3658	02,*01*
2131	33.8	+13 46	7.0	6.94	2907,3272,3995	04,*07*,04
5827	33.8	−36 29	7.5	7.73	3283,3628,3983	11,01,*13*
2034	33.9	+35 48	7.0	6.96	3643,3655,3991	13,*25*,12
2946	34.0	− 2 23	7.3	7.14	3276,3288	*06*,05
B	34.1	−42 45	. .	5.45	3624,3980,3983, 4017,4352,4357, 4387,4388	*08*,*06*,*23*, *35*,26,44, 09,*04*
317	34.2	+78 36	6.8	6.41	3258,3267,3998	13,*07*,*06*
1397	34.3	+56 19	6.5	6.67	3633,3658,4000	04,00,*03*
2848	34.3	−17 11	7.2	6.87	3270,3276,3984	*19*,03,16
389	34.6	+75 3	6.8	6.58	3998,4000	02,*01*
1892	34.6	+44 26	7.5	*7.77*		▲ . .
2673	34.6	−22 39	7.3	7.24	3303,3305,3633	06,*09*,04
5697	34.6	−39 10	7.0	6.46	2892,2895,3632	*12*,04,09
2231	34.7	− 0 41	4.0	*4.04*		. . ▲
1895	34.8	+33 27	7.5	7.82	3643,3655	10,*11*
2898	34.9	−10 7	5.9	6.20	3288,4354,4363	*17*,18,00
2136	35.1	+13 31	6.9	6.77	2907,3272,3995	01,*10*,10
2271	35.2	+39 25	7.0	7.00	3991,4000	09,*09*
2733	35.2	− 8 38	7.5	7.48	3276,3288	04,*05*

9^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
7678	35.2	−29 25	7.5	7.78	2922,3289	*15*,15
2960	35.3	−12 32	6.8	7.07	3270,3276,3984	*09*,*08*,16
319	35.4	+79 36	6.0	*6.17*		14,*16*,01
2888	35.4	−10 19	6.1	*6.30*		01, . *01*
7510	35.4	−28 28	7.7	7.98	3283,3303,3305	18,00,*18*
1895	35.5	+44 6	7.2	7.35	3633,3658	*09*,09
2917	35.5	−13 53	5.8	4.91	3270,4354,4363	*17*,11,07
858	35.6	+63 23	7.5	7.87	3258,3267	00,00
2018	35.7	+37 44	7.3	7.84	3643,3659	*13*,12
2026	35.7	+31 43	6.2	6.08	4005,4354,4357	13,13,*27*
1867	35.8	+49 14	7.0	7.32	3633,3658	03,*04*
2241	35.8	+40 13	5.8	*5.53*		. . A
2039	35.8	+35 1	7.5	*8.17*		A . .
2044	35.8	+10 21	3.7	*3.74*		. 06,*05*
1991	35.9	+26 22	6.5	*6.43*		. A .
2226	35.9	+ 9 28	7.5	6.82	3995,4005	02,*02*
7775	35.9	−30 28	7.5	7.48	2921,2922,3628	05,*03*,*01*
1536	36.0	+51 44	7.5	7.34	3633,3658	*02*,01
1868	36.2	+48 53	6.5	6.36	4000,4012	*15*,14
1345	36.3	+54 50	6.7	6.30	3633,4355,4357	14,05,*20*
5863	36.5	−36 43	7.3	7.71	3283,3305,3628,3632,3988,3988,3994	13, R,*06*,*24*,*11*,24,05
1898	36.6	+33 28	6.5	7.05	3643,3655	*07*,07
2903	36.6	−10 3	7.2	*7.46*		A . .
1400	36.7	+56 25	7.5	7.74	3633,3658	*05*,06
2042	36.7	+35 32	6.5	*6.03*		01, . *01*
2684	36.7	−23 8	5.0	4.68	3303,3305,3307	*18*,*03*,21
731	36.8	+65 26	6.3	6.21	3258,3294,4355	06,*03*,*03*
5868	36.9	−35 35	7.5	7.33	3283,3307,3628,3983,3988,3994,4348,4354,4363	00, R,04,*28*,56,*02*,*14*,*17*,*01*
2016	37.0	+37 36	7.5	7.44	3643,3655	02,*04*
1920	37.0	+32 44	6.9	7.18	3643,3659	*15*,14
1898	37.0	+30 35	7.2	6.68	3643,3655,3991	04,*07*,04
6646	37.2	−32 57	7.0	6.83	2921,2922,3632	*19*,19,*01*
2546	37.3	+ 0 10	7.2	6.75	3995,4005	*15*,15
1754	37.4	+45 11	7.5	*7.57*		A . .
2871	37.5	− 7 37	9.1	9.33	3295,3300,4005,4005,4366	17,23,*22*,*22*,06
7712	37.5	−29 51	7.0	6.69	3289,3305,3983	04,*04*,*01*
2022	37.7	+34 34	7.2	*7.34*		08,*02*,*07*
1901	37.7	+30 27	5.3	5.69	3655,3991,4354	*27*,13,15
8646	37.7	−23 28	5.4	4.99	3305,3307,4348	*14*,10,03
2041	37.8	+42 31	6.9	6.79	3633,3633,3658	*12*,10,02
2366	37.8	+20 39	6.5	7.59	3991,4000	*20*,20
2926	37.8	−13 31	7.5	7.60	3270,3276	04,*04*
630	38.1	+66 5	7.2	7.22	3258,3267,3998	*05*,15,*10*
752	38.2	+64 7	6.8	6.46	3998,4000	02,*01*
2046	38.2	+35 10	7.7	8.01	4366,4366,4374,4374,4381,4381	*09*,09,00,*08*,02,06
2134	38.2	+13 54	7.3	7.18	2907,3272	*10*,09
2261	38.2	+ 3 5	7.5	7.32	2904,2907	00,01
2136	38.3	+14 29	6.0	5.57	3995,4352,4363	*03*,*12*,14
6097	38.5	−35 3	6.5	6.25	2892,2895,3628	*04*,*07*,10
6667	38.6	−32 57	7.7	7.34	2921,2922,3628	*10*,*12*,22
2251	38.9	+19 20	6.5	6.48	3995,4005	*07*,07
2795	38.9	−19 55	7.0	6.77	3984,3999	08,*08*
1942	39.0	+29 10	7.4	7.68	3655,3659	*12*,13
1802	39.4	+28 14	7.3	7.40	3655,3659	00,01
2236	39.4	+ 3 49	7.5	7.24	2904,2907,3272,3276	*02*,*11*,07,07
1231	39.5	+57 35	5.0	5.26	3658,4355,4357	03,*02*,*02*
2759	39.5	− 4 12	7.5	7.66	3276,3288	09,*10*
2128	39.6	+23 56	7.0	6.77	3655,3659,3991	*05*,*02*,07
6881	39.7	−27 19	5.1	*5.00*		. 00,00
2253	39.9	+40 17	7.3	*7.17*		A . .
861	40.0	+63 43	7.0	6.94	3258,3267,3998	03,03,*05*
2705	40.0	−22 18	6.8	6.78	3305,3307,3983	20,*17*,*03*
2952	40.1	−17 14	6.8	7.09	3270,3276	*11*,11
2706	40.1	−22 54	7.7	7.52	3305,3307	*07*,07
2707	40.1	−23 7	7.8	7.82	3305,3307	*07*,07
2129	40.2	+24 14	3.2	*3.11*		. . A
5850	40.2	−39 7	7.0	6.49	2895,2912,3628	01,*15*,14
1762	40.3	+45 34	7.0	*6.80*		. A .
2254	40.3	+19 9	7.0	6.92	2904,2907,3995	16,*14*,*03*
6895	40.3	−27 10	7.3	7.02	3289,3305	09,*10*
2882	40.5	− 8 1	7.5	7.30	3288,3294	*07*,07
2100	40.6	+20 57	7.5	7.44	3655,3659	*07*,06
2181	40.9	+ 7 10	5.8	6.04	4352,4363	*10*,09
736	41.0	+65 22	7.3	7.08	3258,3294	*01*,00
2090	41.0	+12 17	6.2	5.81	4366,4366,4374,4374,4380,4380	*17*,03,05,15,*06*,00
7758	41.0	−29 45	6.7	6.50	2922,3289,3983	03,13,*16*
6709	41.1	−32 13	7.0	6.85	2912,2921,3632	*16*,12,03
2246	41.3	+ 2 15	5.6	5.68	4352,4363	02,*03*
1907	41.4	+33 15	7.5	*7.87*		. A .
2813	41.4	−19 16	7.0	6.97	3270,3288,3984	*02*,*08*,11
1209	41.5	+60 34	7.4	7.24	3633,3658,3659,	R,*14*,15
1329	41.7	+54 44	7.4	*7.26*		A . .
2977	41.7	− 2 44	7.5	7.40	3288,3294	09,*09*
2904	41.7	−22 11	7.8	7.41	3305,3307,3632,3381	*23*,*10*,20,14
2133	41.8	+24 6	6.7	6.74	3991,4000	10,*10*
2093	41.8	+11 54	9.4	9.20	4363,4363,4366,4366,4374,4374	*02*,*11*,01,*06*,26,*08*
5917	41.8	−35 24	7.1	6.75	2892,2895,3628	*10*,07,02
2094	41.9	+11 51	9.5	9.64	4363,4363,4366,4366,4374,4374	12,00,*10*,*03*,*05*,08
2239	41.9	+ 9 2	7.0	*6.74*		. *09*,10

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
7411	41.9	−26 49	7.0	6.94	2922,3289,3983	03,*11*,07
2095	42.0	+12 3	7.0	*6.37*		. *07*,07
6725	42.0	−33 3	7.0	6.84	2912,2921,3632	*08*,*10*,18
1551	42.1	+46 29	5.9	5.12	4012,4355,4357	*01*,*02*,03
2922	42.2	−10 4	7.0	7.16	3984,3988	04,*04*
7887	42.2	−30 49	7.9	7.71	3994,3994,4005,4005,4012,4012,4363,4363,4366,4366,4383,4383,4387,4387	*06*,13,*03*,*24*,*08*,*11*,*13*,04,04,08,10,09,20,*05*
1907	42.3	+44 0	7.3	7.90	3633,3658	07,*06*
2918	42.3	−10 17	6.8	*7.11*		▲ . .
1908	42.5	+44 8	7.0	7.76	3633,3658	02,*02*
2887	42.5	−16 44	7.0	7.03	3270,3288	08,*08*
637	42.6	+66 4	6.7	6.29	3258,3294,4355,4357,4363	08,*11*,*20*,*01*,22
R	42.6	−44 18	. .	5.54	3632,3994,4012,4017,4352,4380,4387	*10*,09,*02*,04,*10*,14,*04*
7895	42.7	−30 48	7.3	6.79	2921,2922,3632	*14*,27,*13*
5906	42.7	−38 52	7.3	7.42	3283,3305,3628	*12*,13,00
1361	43.1	+53 22	7.2	7.26	3633,3658	11,*12*
2035	43.1	+34 35	6.3	*7.10*		07,02,*10*
2908	43.2	− 5 26	7.3	*7.90*		▲ . .
3003	43.2	− 6 47	7.2	*7.11*		. ▲ .
6935	43.2	−27 55	7.5	7.34	2922,3289	*24*,24
6749	43.3	−32 47	7.0	6.76	2912,2921,3632	00,*02*,01
2022	43.4	+37 14	6.3	6.92	3655,3659,3991	05,06,*10*
6073	43.4	−37 44	7.2	6.94	2892,2895,3628	04,06,*11*
1885	43.6	+49 33	7.5	*8.12*		▲ . .
2274	43.6	+18 32	7.5	7.78	2904,2907	10,*10*
2928	43.8	− 9 27	6.8	7.13	3984,3988	11,*11*
6083	43.8	−37 54	7.3	7.28	2892,2895,3628	*03*,00,03
1268	43.9	+59 31	4.0	3.84	3262,3270,3288,3295,3300,3303,3305,3307,3315,3316,3624,3633,3655,3659,3666,3670,3677,3679,3681,3983,3998,4000,4005,4013,4014,4015,4016,4017,4026,4081,4348,4352,4354,4357,4380,4386,4388,4398,4401,4406	*34*,16,*04*,06,06,*24*,*04*,26,16,36,21,06,25,13,*07*,*14*,*11*,*14*,14,13,08,22,*21*,*15*,09,*13*,*27*,*04*,13,*04*,06,04,*23*,*19*,*02*,*04*,*15*,08,19,*13*
2053	44.0	+31 33	6.7	6.87	3643,3655,3991	*03*,02,01
2725	44.0	−22 12	8.1	8.06	3632,3660	*08*,09
2261	44.1	+40 6	7.0	*6.81*		11,*21*,09
2792	44.1	−18 50	7.2	7.17	3270,3288	08,*08*
2113	44.2	+21 39	6.9	6.01	3991,4354,4357	02,*02*,01
2912	44.2	−21 32	7.2	7.24	3305,3307	04,*03*
7510	44.2	−25 57	7.0	6.75	2922,3289,3983	05,11,*15*
6085	44.2	−37 10	7.1	7.18	2892,2895,3628	*01*,00,01
2001	44.3	+36 21	6.8	7.29	3655,3659	*11*,11
2771	44.3	− 8 22	7.0	7.01	3294,3303,3984	*04*,*03*,08
2163	44.5	+25 2	7.0	7.04	3991,4000	*06*,06
6170	44.5	−34 33	7.5	7.31	3283,3632,3633	19,01,*21*
8487	44.6	−24 11	7.3	7.58	3289,3305,3305	13,*16*,04
2731	44.7	−11 19	6.3	7.00	3288,3294,3984	00,*15*,15
1941	44.9	+31 52	7.2	7.28	3643,3655	10,*09*
2023	45.1	+36 58	7.2	7.81	3655,3659	*15*,15
2566	45.1	+ 0 35	7.5	*7.44*		▲ . .
5955	45.2	−36 43	6.4	6.08	2892,2895,3628	05,*06*,02
473	45.3	+72 9	7.1	7.58	3258,3295	*14*,15
2240	45.3	+ 4 49	6.7	*6.24*		*03*,04,00
1331	45.4	+54 32	5.0	4.50	3658,4012,4355	07,04,*10*
1689	45.4	+50 5	7.5	*7.77*		▲ . .
1690	45.4	+50 13	7.5	*8.17*		▲ . .
2105	45.5	+12 19	6.8	*6.66*		. 13,*12*
2164	45.6	+13 33	6.5	*6.70*		. ▲ .
2266	45.7	+40 5	7.5	*7.62*		▲ . .
3013	45.7	− 6 55	7.5	*7.04*		. ▲ .
5961	45.7	−35 48	6.7	6.35	2892,2895,3628	*03*,*05*,09
5873	45.9	−39 42	7.5	7.48	3283,3305,3628	11,*06*,*05*
327	46.1	+78 25	7.1	7.48	3258,3295	*04*,05
741	46.2	+65 16	7.4	*7.50*		▲ . .
2794	46.2	− 3 46	6.1	6.07	3294,3303,3984	24,*31*,06
2076	46.3	+38 24	6.3	*6.74*		. ▲ .
2004	46.3	+36 48	7.3	7.72	3655,3659	*06*,05
2169	46.3	+24 52	5.8	5.30	3641,4354,4357	04,02,*06*
2314	46.3	− 1 23	7.5	7.38	3294,3303	03,*02*
2923	46.3	− 5 43	6.8	6.44	3984,3988	05,*05*
2980	46.4	−18 11	7.2	7.30	3270,3288	*02*,02
2006	46.5	+36 0	6.5	7.30	3655,3659	*17*,17
2963	46.5	−13 15	7.5	7.96	3659,3660,3661	12,*12*,*01*
2068	46.6	+35 35	7.3	8.27	3655,3659	*06*,06
1553	46.7	+51 7	7.0	7.40	3633,3658	09,*08*
1815	46.7	+28 15	7.4	7.70	3641,3646	*03*,04
2963	46.7	−14 23	5.0	4.23	3303,4354,4363	*12*,07,04
2741	46.7	−22 29	8.8	8.94	3666,3670,3679,3983,3988,3994,4363,4363	24,17,*44*,*01*,00,04,*03*,00
2940	46.8	−10 52	6.3	6.82	3984,3988	02,*01*
319	46.9	+80 52	7.4	*8.07*		▲ . .
1220	46.9	+58 10	7.4	7.52	3633,3658	09,*08*
1216	47.1	+60 24	7.0	7.12	3633,3658	14,*15*
2019	47.1	+26 29	4.0	*4.05*		. . ▲
2280	47.1	+ 2 55	6.0	*5.78*		. . ▲

9^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
2573	47.1	+ 0 33	7.0	6.29	2904,2907,3995	23,*16*,*06*	*2759*	50.5	−23 1	7.8	7.92	3305,3307	03,*03*
2920	47.2	−16 4	6.5	6.32	3984,3988	*04*,03	2289	50.6	+ 8 9	7.5	*6.72*		. A .
2909	47.5	− 7 38	6.0	4.93	3276,4354,4363	*01*,*01*,03	2757	50.6	− 4 30	7.3	7.22	3276,3294	13,*13*
R	47.5	−45 44	. .	5.76	3624,3624,4380,	19,08,*15*,	*1920*	50.7	+32 51	6.5	*6.60*		. A .
					4380	*12*	2797	50.8	− 8 22	7.0	6.54	3276,3294,3984	*02*,*07*,10
6821	47.6	−32 31	7.2	7.27	2892,3283,3305	*08*,*06*,15	*2921*	50.8	−17 0	7.2	7.10	3288,3294	02,*02*
389	47.7	+77 6	7.4	7.88	3258,3295	*14*,15	6879	50.9	−32 53	7.3	7.51	3283,3305,3632	07,*11*,04
1151	47.7	+61 36	6.4	6.43	3998,4000,4012	00,*05*,04	6493	50.9	−33 13	7.2	7.51	3267,3283,3632	15,*05*,*09*
2073	47.7	+85 28	6.8	*7.02*		A . .	*2814*	51.0	−19 12	7.5	7.38	3288,3294	*09*,08
2391	47.7	+20 25	7.4	7.46	3641,3646	*01*,01	2262	51.1	+ 9 24	6.2	5.95	3272,3995,4366	09,*15*,06
2021	47.9	+26 7	7.2	7.04	3641,3646	04,*04*	*3033*	51.1	− 7 10	6.8	7.03	3276,3294,3984	*08*,*04*,12
R	47.9	−46 5	. .	4.50	3632	A	5961	51.3	−39 58	7.5	7.70	2895,2912,3632	*02*,*11*,14
1816	48.3	+28 10	7.3	7.57	3641,3646	*09*,09	1274	51.5	+59 26	7.1	6.77	4000,4012	06,*06*
2953	48.4	− 9 26	7.1	7.04	3276,3294	*02*,03	1975	51.5	+29 2	7.5	7.42	3641,3646	02,*03*
2224	48.5	+ 6 26	6.5	6.27	2904,2907,3995	08,*12*,05	2399	51.5	+20 14	7.5	*7.70*		A . .
7505	48.6	−26 52	6.6	6.33	3307,4354,4363	*03*,01,02	2033	51.6	+41 32	5.2	*5.23*		. . A
2802	48.7	− 3 24	7.3	7.34	3276,3294	04,*03*	2269	51.6	+ 4 43	7.5	6.73	3995,4013	00,00
2285	48.8	+ 8 32	7.2	*7.09*		. A .	*1566*	51.7	+45 53	6.6	6.50	3300,3624,4000	*10*,*06*,15
2248	48.9	+ 5 25	7.4	*6.98*		. A .	*3031*	51.7	−13 0	6.8	7.03	3288,3294,3984	*05*,*11*,16
2753	49.0	−22 29	8.5	8.58	4366,4366	00,01	8043	51.8	−30 37	6.9	7.01	2922,3267,3632	*15*,26,*12*
1698	49.2	+50 17	5.6	5.33	3633,4355,4357	42,*36*,*07*	*6032*	51.8	−39 5	7.3	6.95	2895,2912,3628	17,*28*,10
6142	49.2	−37 56	7.5	7.44	3283,3305,3307,	*03*,14,*03*,	2086	51.9	+35 35	7.0	7.43	3655,3659	*19*,19
					3628	*09*	*6171*	52.0	−38 2	7.1	7.73	2895,2912,3628	05,*28*,22
7748	49.3	−31 38	7.5	7.90	2892,2912,3632	*25*,05,19	*2156*	52.1	+16 56	7.1	7.38	2907,3272	*10*,09
1431	49.4	+52 44	7.2	6.79	3633,3658,4000	07,*04*,*03*	*7622*	52.2	−26 4	6.6	6.22	3289,4354,4363	14,02,*15*
2381	49.4	+ 1 25	7.4	7.68	2904,2907	04,*05*	6895	52.2	−32 57	6.4	5.91	2912,3283,3305	*15*,07,09
478	49.5	+73 21	6.3	5.97	3295,3998,4355	06,*06*,01	1702	52.3	+50 37	7.0	6.59	3300,3624,4000	01,*04*,04
2178	49.5	+25 7	7.5	*7.16*		A . .	*7551*	52.4	−27 0	6.7	*6.24*		. *03*,04
8551	49.5	−25 0	7.3	8.07	2922,3305	07,*07*	2163	52.5	+23 9	7.5	7.86	3641,3646	*11*,12
7585	49.6	−25 28	5.3	*5.01*		. *08*,08	225	52.6	+84 25	6.5	*6.48*		A . .
7035	49.6	−27 32	7.0	*6.91*		. *11*,11	399	52.7	+75 14	7.2	*7.09*		A . .
6854	49.6	−32 46	7.8	7.56	3994,3994,4012,	06,*03*,*01*,	*1240*	52.7	+56 56	7.5	7.34	3300,3624	*04*,03
					4012,4014,4014,	*14*,07,02,	2329	52.7	− 1 28	7.3	6.72	3276,3294,3984	*14*,*01*,15
					4363,4363,4366,	06,*14*,00,	6289	52.7	−34 21	7.5	7.45	3267,3283,3305	07,07,*13*
					4366,4374,4374	*04*,04,16	1824	52.8	+28 15	6.5	6.42	3641,3646,3991	*11*,*12*,22
1337	49.7	+54 44	7.0	6.81	4000,4012	*03*,03	*2183*	52.8	+12 55	5.5	*5.05*		. . A
3021	49.7	−12 28	6.8	7.02	3270,3288,3984	*24*,*02*,25	*2269*	52.9	+ 8 48	6.8	6.17	4013,4363,4366	20,05,*24*
2935	49.9	−22 1	6.0	*6.34*		. *06*,06	*2942*	52.9	−16 3	7.0	6.66	3288,3294,3984	*01*,*16*,18
762	50.0	+63 50	7.5	7.67	3258,3295	*20*,20	6909	52.9	−32 23	7.5	7.08	2912,2921,3632	*09*,*01*,11
1224	50.2	+57 54	6.2	6.07	3300,3658,4355	*17*,08,08	1242	53.0	+57 18	5.0	5.72	3300,3624,4355	18,*04*,*14*
2758	50.2	−12 0	7.5	7.68	3288,3294	02,*03*	2134	53.3	+11 26	7.3	7.34	2904,3272	01,00
2929	50.2	−15 43	7.2	6.67	3288,3294,3984	*12*,03,10	3039	53.3	−12 39	7.3	7.48	3288,3294	*18*,17
2810	50.2	−18 32	5.5	5.08	3679,4354,4363,	*01*,04,*20*,	*2136*	53.4	+10 56	7.2	7.34	2904,3272	11,*10*
					4363,4366,4366,	18,21,13,	8622	53.6	−24 39	7.0	*6.64*		. *09*,09
					4374,4374	*02*,*31*	2996	53.7	−13 28	7.4	7.45	3288,3294	03,*03*
2948	50.3	−10 34	7.0	*7.56*		A . .	*1980*	53.9	+42 48	7.0	7.54	3300,3633	*24*,25
6256	50.3	−34 26	7.5	7.15	3267,3283,3632	*05*,05,00	1946	53.9	+30 8	6.0	*5.80*		. . A
6009	50.3	−36 49	7.3	7.50	3283,3305,3628	32,*20*,*11*	*2148*	53.9	+21 49	6.7	6.63	3646,4354,4357	02,13,*14*
R	50.4	−44 49	. .	5.70	3272,3632,3994,	25,*44*,21,	3024	54.0	− 2 32	7.0	7.40	3276,3294	08,*09*
					4000,4012,4380	*06*,09,*02*	8889	54.0	−23 51	7.7	7.89	3305,3307	02,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1378	54.2	+53 36	7.5	7.55	3300,3624	*15*,15
7791	54.2	−28 49	7.5	7.30	2922,3289	*24*,25
3028	54.3	− 2 36	7.5	7.44	3276,3294	04,*03*
3045	54.4	−12 17	7.5	7.68	3288,3294	*18*,17
2191	54.5	+25 2	7.5	*7.91*		A . .
2276	54.5	+ 3 52	6.5	*6.49*		. . A
8898	54.5	−23 28	6.2	6.05	3305,3307,4354	00,*16*,16
2884	54.6	−19 53	6.4	7.10	3984,3988	04,*05*
6050	54.6	−35 25	5.6	5.29	3258,3262,3267,	03,20,*16*,
					3283,3624,3628,	04,05,11,
					3632,3636,3988,	*06*,06, R,
					3999,4000,4012,	*18*,19,*09*,
					4017,4352,4354,	*21*,06,00,
					4354,4355,4357,	*06*,*02*,*02*,
					4380,4398	07,*05*
2301	54.9	+ 8 31	5.0	5.02	3276,4013,4363	*08*,11,*04*
2059	55.2	+16 20	7.5	7.77	3272,3276	00,00
1964	55.3	+32 26	5.8	5.46	3643,4354,4354,	10,02,*23*,
					4354,4354,4357,	02,23,*10*,
					4366,4366,4374,	*16*,08,03,
					4374	*04*
7660	55.3	−25 55	7.5	7.57	3289,3305	09,*09*
1566	55.4	+50 59	7.5	7.84	3300,3624	06,*06*
8094	55.5	−30 52	7.3	7.34	2892,2907,3632	*06*,*09*,14
1986	55.6	+29 16	7.2	6.99	3641,3646,3991	*22*,00,21
6067	55.9	−35 34	7.5	7.48	3267,3283,3628	05,15,*21*
3032	56.0	− 2 42	6.8	7.28	3294,3303	03,*02*
882	56.2	+63 3	7.0	7.44	3295,3643,3650,	13,*01*,*07*,
					3655,3658,3998,	*10*,11,*04*,
					4000,4012	*06*,04
1706	56.3	+50 21	7.5	7.50	3300,3624	00,*01*
1736	56.3	+46 51	7.2	8.17	3624,3633	03,*03*
1970	56.3	+32 1	7.5	7.50	3643,3655	*08*,08
1231	56.4	+58 35	7.4	7.38	3300,3624	12,*13*
2281	56.5	− 0 32	7.5	*7.16*		A . .
2803	56.6	−22 40	7.8	7.57	3305,3307	*12*,12
2804	56.6	−22 17	7.4	7.54	3305,3307	*16*,17
1707	56.8	+50 36	6.7	7.16	4000,4012	*03*,03
1574	56.8	+46 41	7.0	7.86	3624,3633	*05*,06
3055	57.0	−12 25	7.5	7.92	3288,3294	*02*,03
6105	57.0	−38 58	7.1	7.09	2892,2895,3628	*12*,03,08
2164	57.2	+22 26	5.3	5.63	3991,4354,4357	04,*14*,09
2976	57.2	− 9 57	7.5	*7.51*		A . .
3013	57.2	−13 55	7.5	7.85	3288,3294	*07*,07
8928	57.2	−23 19	7.1	6.88	3305,3307,3983	*03*,21,*17*
2079	57.3	+42 29	6.9	7.20	3624,3633	*06*,06
3005	57.3	−14 33	7.5	7.40	3288,3294	*02*,02
632	57.4	+67 46	6.8	*7.11*		. A .
2080	57.4	+41 47	7.3	7.72	3624,3633	*09*,08
2285	57.7	− 0 35	6.7	*7.02*		A . .
3057	57.7	−12 49	6.8	6.96	3288,3294,3984	*08*,*14*,21
6603	57.7	−33 41	7.3	7.17	3267,3283,3632	17,*13*,*04*
1909	57.8	+49 4	7.2	7.68	3624,3633	*16*,15
2096	57.9	+38 33	6.5	6.82	3655,3659,3991	*20*,23,*02*
2897	57.9	−19 56	7.0	6.96	3984,3988	*13*,12
1348	58.0	+54 23	6.2	5.83	3624,4355,4357	24,*04*,*19*
2784	58.0	− 5 8	7.3	*7.50*		A . .
1938	58.1	+33 8	7.0	7.60	3643,3655	*04*,04
2973	58.1	−21 37	7.3	7.80	3305,3307	*12*,11
2100	58.2	+10 23	7.2	7.14	3272,3276	00,00
8034	58.3	−30 6	6.8	6.74	2892,2907,3632	*03*,*07*,11
749	58.4	+64 54	7.5	*7.65*		A . .
1939	58.4	+32 56	6.9	7.38	3643,3655	05,*05*
2283	58.4	+ 4 27	7.5	*7.45*		A . .
2985	58.4	−10 15	7.2	*7.21*		A . .
1384	58.6	+52 50	6.5	6.13	3300,3624,4355	*13*,*06*,19
1572	58.7	+51 2	7.0	7.40	3300,3624	*10*,10
2896	58.7	− 9 5	6.3	6.41	3294,3303,3984	*04*,*03*,08
2138	58.8	+12 7	7.5	7.04	3272,3276	00,00
3064	58.8	−12 24	7.3	7.18	3288,3294	*08*,07
1835	58.9	+28 20	7.5	7.90	3641,3646	*05*,05
6129	58.9	−38 56	7.5	7.45	3267,3305,3307,	15,00,*05*,
					3628	*11*
2311	59.0	+ 3 42	6.5	*6.36*		. . A
7009	59.0	−32 45	6.9	6.84	2892,2907,3632	*08*,*18*,27
8711	59.1	−24 50	6.8	*6.63*		. *15*,15
7639	59.1	−26 25	7.7	7.30	2922,3289	*03*,03
3047	59.3	−17 37	6.8	5.78	3288,3294,3303,	04,00,*04*,
					3659	00
1573	59.4	+51 26	7.5	7.79	3300,3624	*09*,09
3068	59.4	− 6 44	7.5	7.46	3294,3303	03,*04*
280	59.6	+82 53	7.1	*7.59*		A . .
6135	59.6	−38 48	7.5	7.00	3267,3283,3305,	10,20,*25*,
					3628	*05*
2050	59.7	+41 31	7.3	7.60	3624,3633	*09*,08
7171	59.7	−27 53	7.5	7.29	2922,3289	01,*01*
1430	59.8	+56 17	7.5	7.30	3300,3624	10,*10*
2101	59.8	+35 9	7.5	*8.02*		A . .
2316	59.8	+ 8 29	7.5	7.24	3272,3276	*10*,10
8973	59.8	−23 48	6.1	5.72	3307,4354,4363	05,02,*08*
598	59.9	+70 25	7.5	7.90	3295,3650	27,*27*
2286	59.9	+40 4	6.8	*7.17*		A . .
2095	59.9	+31 35	7.5	7.86	3643,3655	08,*07*
2102	0.0	+35 29	7.0	*7.39*		. A .
6100	0.1	−39 29	6.9	6.51	2895,2921,3628	*06*,*07*,13
1165	0.2	+61 24	7.0	7.38	3295,3650	*01*,00
3052	0.2	− 3 2	7.0	7.54	3294,3303	*03*,02
7179	0.2	−27 42	6.9	7.11	3289	A
2077	0.3	+16 14	6.9	6.28	3272,3276,3995	*11*,19,*08*
3053	0.3	− 2 53	7.4	7.74	3294,3303	07,*08*

10ʰ

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
3073	0.3	−12 35	4.5	4.62	3288,3294,3984,	*02*,03,12,	3069	3.5	− 2 59	7.5	7.78	3659,3660	09,*09*
					3988	*11*	2926	3.6	−19 15	7.2	7.24	3288,3303	*05*,06
2288	0.5	+40 0	7.3	*7.62*		▲ . .	7980	3.6	−31 34	7.7	7.52	2907,2921,3632	00,*10*,09
2179	0.6	+22 0	7.5	7.04	3641,3646	10,*09*	2307	3.7	+19 1	7.5	7.11	2904,3272,3276	*03*,*04*,06
7183	0.6	−27 42	6.9	6.92	2922,4354,4363	02,*01*,00	6156	3.7	−36 50	6.6	6.43	2895,2907,3628,	*03*,05,*07*,
650	0.7	+66 30	7.3	7.83	3295,3650	24,*24*						3632	06
479	0.8	+72 10	7.5	7.65	3295,3650	18,*18*	*2156*	3.8	+20 49	6.5	6.65	3641,3646,4000	*10*,*03*,14
1798	0.9	+45 34	7.3	7.49	3633,3658	07,*07*	3000	3.8	−10 24	6.6	6.42	3999,4014	00,*01*
6130	0.9	−35 54	6.6	6.41	2895,2921,3628	*01*,02,*01*	*3036*	3.8	−15 7	6.5	6.22	3303,4363,4366	06,01,*08*
7040	1.1	−32 54	7.4	6.88	2907,2921,3632	*12*,*04*,15	1721	4.0	+50 0	7.2	*7.22*		▲ . .
6405	1.1	−34 24	7.0	6.73	2921,2922,3628	01,05,*06*	6456	4.0	−34 31	7.2	7.19	2907,2921,2922	*13*,*05*,19
2206	1.2	+13 17	7.3	7.37	3272,3276	*20*,20	2265	4.1	+ 6 40	7.1	*6.83*		. ▲ .
8169	1.3	−30 24	6.9	6.77	2907,2921,3632	00,*09*,08	8212	4.1	−30 36	7.5	7.85	2907,2921,2922	00,*10*,11
1961	1.4	+30 1	6.8	*7.36*		▲ . .	2116	4.2	+10 5	7.5	*7.52*		▲ . .
3101	1.4	−20 27	7.2	*7.48*		▲ . .	*3039*	4.3	−15 0	7.5	*7.46*		▲ . .
2259	1.5	+ 6 6	6.9	*6.29*		. ▲ .	3098	4.5	−12 52	6.8	7.34	3288,3303	04,*03*
7899	1.5	−28 38	7.4	7.30	2922,3289	*04*,05	3072	4.5	−17 39	7.2	7.13	3288,3303	*11*,11
2110	1.6	+35 44	4.4	4.45	3643,3655,4357	04,*08*,04	*2844*	4.5	−23 4	8.0	7.98	3307,3632	*19*,18
561	1.7	+69 10	7.0	*7.26*		. *19*,20	2816	4.7	−11 24	7.5	7.52	3288,3303	*02*,03
1848	1.8	+27 16	7.5	7.98	3641,3646	*05*,05	2063	4.9	+41 10	6.5	6.51	3633,3658,3998	13,*05*,*08*
3102	1.8	−20 48	8.4	8.10	3307,3632	04,*03*	2158	4.9	+21 26	7.0	7.28	3641,3646	*18*,17
770	1.9	+64 26	6.8	6.70	3998,4000	*05*,06	2818	5.0	−11 36	6.8	6.20	3288,3303,3999	*10*,05,05
2171	1.9	+17 15	8.4	*3.58*		. *04*,04	*2058*	5.1	+36 58	7.2	7.40	3636,3643	*02*,01
2830	2.0	−22 39	7.8	7.61	3307,3632	*02*,02	2972	5.1	− 7 55	6.2	6.07	3294	▲
2969	2.1	−16 57	7.0	6.63	3288,3303,3999	*11*,11,01	3101	5.2	−12 19	5.8	*5.51*		. . ▲
2167	2.2	+15 40	7.5	7.17	3272,3276	*20*,20	6194	5.2	−35 22	6.5	6.18	2895,2907,3628	*03*,*06*,10
8765	2.3	−24 13	7.3	7.16	3307,3632	*09*,09	*1725*	5.3	+49 58	6.8	6.76	3998,4000	*09*,09
2403	2.4	+ 1 24	7.5	6.99	3272,3276,3995	*18*,02,15	*2110*	5.3	+37 58	6.0	*6.13*		. . ▲
2961	2.4	− 7 14	7.5	7.50	3294,3303	09,*08*	2095	5.4	+42 14	7.5	7.82	3633,3658	03,*02*
2974	2.4	−16 39	5.3	5.84	3303,4363,4366	*16*,04,11	2159	5.6	+21 13	6.5	6.63	3641,3646,4000	*23*,05,19
3104	2.4	−20 46	7.0	6.74	3307,3632,3994	00,01,*02*	328	5.7	+79 26	6.7	6.69	3998,4000	*15*,15
1982	2.5	+32 6	6.5	6.26	3636,4383,4386,	02,*03*,*13*,	2820	5.7	−11 52	3.5	3.84	3303,4363,4366	01,*02*,00
					4387	15	1172	5.8	+61 35	7.5	8.07	3267,3295	00,00
772	2.6	+64 14	7.3	7.39	3295,3650	18,*18*	*3078*	5.8	−18 6	7.5	7.08	3288,3303	04,*04*
2088	2.6	+34 0	7.0	7.50	3636,3643	08,*09*	1974	6.0	+30 39	7.5	8.34	3636,3643	*10*,10
2112	2.6	+10 30	5.0	*4.58*		. 02,*03*	2977	6.0	− 7 56	6.0	5.77	3294	▲
2918	2.6	−19 13	7.2	7.30	3288,3303	*11*,10	*3046*	6.1	−15 13	7.2	*7.11*		▲ . .
1577	2.7	+51 20	7.1	7.64	3300,3633	*04*,03	*2217*	6.2	+13 51	7.0	*6.41*		. ▲ .
3078	2.7	− 7 8	6.8	6.86	3294,3303,3999	*17*,06,12	2987	6.2	−16 26	7.5	7.26	3288,3303	*01*,02
2089	2.8	+34 44	7.3	*7.62*		▲ . .	3096	6.3	− 6 49	7.2	6.06	3294,3303,3999	*07*,06,01
2203	2.8	+24 48	7.3	*7.66*		▲ . .	6249	6.4	−38 25	6.9	6.64	2895,2921,3628	*14*,06,07
2987	2.8	−22 0	7.0	7.32	3307,3632	*11*,10	1461	6.5	+52 0	7.3	7.60	3300,3633	*10*,09
2615	2.9	+ 0 7	4.1	4.59	2904,4363,4366	13,*09*,*03*	2861	6.6	−18 27	7.0	7.00	3288,3303	*11*,10
529	3.0	+71 21	7.5	7.59	3295,3650	*02*,02	1244	6.7	+58 29	7.0	6.80	3300,4355,4380	00,*05*,04
2149	3.0	+12 27	1.3	1.36	4374,4374,4380,	12,*03*,19,	1852	7.1	+28 44	7.0	6.96	3646,3647,4000	*02*,*08*,10
					4380,4381,4381	10,*43*,06	1585	7.4	+51 0	6.5	6.63	3300,3633,3998	*03*,*06*,10
2185	3.1	+23 59	7.1	7.62	3641,3646	22,*21*	*7266*	7.4	−28 6	6.4	5.95	3283,3305,3315	*09*,05,05
886	3.2	+63 25	6.5	7.12	3295,3300	*05*,06	6736	7.4	−33 50	6.9	6.70	2907,2921,3632	01,*01*,00
2406	3.5	+ 1 39	7.0	6.56	2904,2907,2914,	16,*03*,*22*,	6528	7.5	−34 50	7.1	7.22	2907,2921,3632	*18*,09,10
					2921,3276	*04*,15	2301	7.6	+ 5 7	6.5	5.93	2904,4363,4366	09,*04*,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3054	7.6	−14 34	7.0	6.99	3303,3315,3999	*08*,07,02
6198	7.7	−39 30	7.5	7.46	3267,3283,3305,	R,05,*11*,
					3628,3994,3999,	09,*03*,*07*,
					4005	10
2870	7.9	−18 39	6.8	6.44	3288,3303,3999	*05*,*04*,08
2334	8.0	+ 3 34	7.5	7.31	2904,3272,3276	11,*10*,00
7140	8.0	−32 11	7.3	7.36	2907,2921,3632	*06*,04,01
1862	8.2	+27 39	6.5	6.10	3646,3647,4000	*04*,05,00
7991	8.2	−29 0	7.2	7.42	3289,3305	13,*14*
1246	8.3	+60 31	6.3	6.37	3998,4355,4380	*09*,*06*,14
2985	8.3	− 7 57	8.2	7.71	2936,3999	17,*17*
2871	8.3	−19 11	7.0	7.10	3288,3303	*11*,10
8051	8.4	−32 1	7.3	7.14	2907,2921,3632	*14*,06,09
2817	8.5	− 4 35	7.0	7.50	2936,3294	12,*11*
3109	8.7	− 6 53	7.3	7.30	2936,3999	02,*02*
7752	8.7	−26 32	6.4	*6.22*		. *06*,05
2819	8.8	− 4 43	7.3	*7.40*		A . .
2165	9.0	+21 41	6.5	6.12	3641,3646,4000	*21*,13,09
7158	9.0	−32 32	6.7	6.53	2907,2921,3632	05,04,*09*
2098	9.1	+16 39	7.2	7.31	2904,3272,3276	07,*14*,06
2989	9.1	− 7 29	7.3	*7.06*		. A .
1250	9.2	+60 39	6.7	6.75	3633,4355,4380	07,*06*,*02*
2869	9.2	−22 35	7.5	7.72	3307,3632	*13*,13
1847	9.3	+47 52	7.5	7.68	3633,3658	07,*08*
2104	9.4	+42 22	7.5	8.24	3633,3658	01,*02*
2005	9.4	+31 58	6.3	6.48	3636,4380,4381	15,18,*33*
9119	9.5	−23 19	6.8	6.66	3307,3315,3994	*07*,12,*05*
6222	9.5	−39 51	6.4	6.02	2895,2921,3628	08,07,*14*
489	9.6	+73 35	6.5	6.48	3295,3650,3998	*05*,07,*03*
6225	9.7	−39 48	6.8	6.46	2895,2921,3628	04,*07*,03
534	9.8	+71 34	6.3	6.09	3267,3295,3998	*02*,08,*07*
6302	9.9	−38 36	6.9	6.58	2921,3283,3632	00,*06*,05
2833	10.0	−11 31	7.3	7.18	3288,3303	02,*03*
8275	10.2	−30 19	7.5	7.85	2921,2922,3632	03,*05*,01
1609	10.3	+45 57	7.2	7.74	3633,3658	07,*06*
2122	10.3	+35 41	6.8	*7.32*		A . .
2835	10.3	−11 17	7.5	7.38	3288,3303	*08*,07
1814	10.4	+45 33	7.5	7.39	3633,3658	*09*,09
2106	10.5	+41 55	8.8	9.32	4005,4005,4012,	*04*,*15*,21,
					4012,4013,4013,	03,*03*,50,
					4383,4383,4386,	*19*,*08*,*16*,
					4386,4387,4387,	*13*,16,00,
					4388,4388	*02*,*12*
5713	10.5	−41 38	4.0	3.96	3258,3262,3270,	08,14,00,
					3272,3632,3636,	*08*,*19*,*05*,
					3658,3681,3988,	*16*,*03*, R,
					3994,3999,4012,	*03*,13,*01*,
					4015,4026,4031,	17,*20*,*03*,
					4036,4352,4354,	22,19,*23*,
					4357,4380,4398	*23*,13,12
2066	10.6	+41 47	7.3	7.32	3633,3658	05,*04*
1981	10.6	+29 48	6.0	*5.33*		03, . *03*
767	10.8	+65 36	5.8	5.76	3258,3267,3269,	*19*,01,02,
					3270,3276,3283,	01,01,02,
					3288,3294,3295,	01,02,21,
					3295,3300,3303,	01,*08*,*30*,
					3315,3317,3624,	*19*,32,*03*,
					3633,3636,3643,	00,09,*07*,
					3655,3658,3659,	*34*,*15*,*06*,
					3660,3661,3666,	05,00,*11*,
					3679,3983,3988,	*01*,38,07,
					3998,4000,4005,	15,15,04,
					4012,4013,4014,	*11*,20,*07*,
					4026,4027,4031,	35,21,*02*,
					4036,4348,4352,	*14*,*11*,*06*,
					4354,4355,4374,	09,*16*,01,
					4380,4386,4388,	*07*,15,11,
					4398,4401	*37*,14
1850	10.8	+47 49	7.5	7.30	3633,3658	04,*05*
2021	10.8	+29 10	6.8	*6.51*		05, . *05*
2338	10.8	+18 14	7.0	6.46	3272,3276,4366	*19*,11,09
2879	10.8	−18 26	8.3	8.00	3288,3303	*11*,10
1447	10.9	+56 24	7.3	7.36	3300,3633,3658	*06*,*09*,14
2207	11.0	+24 0	7.0	5.95	3641,4380,4381	*13*,10,03
6260	11.0	−36 1	6.6	6.26	2921,2922,3628	04,04,*09*
2005	11.1	+43 25	3.5	3.42	3633,4355,4380	14,*16*,03
2064	11.1	+25 53	6.2	6.04	3646,4380,4381	*16*,*01*,18
2209	11.1	+23 55	3.5	3.39	3641,4380,4381	*21*,08,14
3029	11.2	−10 42	6.3	6.18	3303,4366,4374	*03*,02,02
6574	11.2	−34 59	7.3	8.17	3267,3283,3632	30,*20*,*10*
2108	11.3	+41 58	6.8	6.88	3633,3658,3998	08,*06*,*01*
2065	11.3	+26 22	7.5	7.54	3646,3647	*02*,01
2228	11.3	+14 13	5.7	5.54	3272,4366,4374	*07*,16,*08*
R	11.3	−42 36	. .	5.73	3258,3262,3270,	43,*04*,05,
					3272,3632,3636,	11,*07*,15,
					3658,3659,3681,	*09*,*21*,*08*,
					3988,4000,4012,	*18*,*26*,*03*,
					4015,4026,4357,	04,*02*,*05*,
					4380,4398	08,13
2197	11.5	+22 26	7.5	7.46	3641,3646	*01*,00
3018	11.5	−15 38	7.3	*7.25*		A . .
7328	11.5	−28 7	7.1	7.34	3289,3305	04,*04*
287	11.7	+83 19	6.8	*6.92*		A . .
1732	11.7	+50 5	7.3	*7.67*		A . .
2207	11.8	+23 37	6.5	5.85	3641,3646,4000	*17*,14,02
2885	11.8	−18 48	7.0	6.57	3288,3303,3999	*08*,13,*05*
2119	11.9	+31 24	7.4	7.88	3636,3643	*12*,13
3129	11.9	−12 36	7.3	7.17	3303,3315	08,*08*
2964	12.0	−20 10	6.6	6.50	3994,3999	07,*08*
6254	12.0	−36 24	7.5	7.39	2921,2922,3628,	*42*,18,02,

10^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4005,4363,4374,4381	18,04,*05*,07
8234	12.4	−29 10	7.5	7.92	3289,3305	13,*14*
6822	12.4	−33 37	7.5	7.24	3267,3283,3632	10,*10*,00
2007	12.5	+43 34	7.0	6.58	3633,3658,3998	08,*01*,*06*
1867	12.6	+27 55	6.7	6.46	3646,3647,4000	*20*,02,19
1473	12.7	+51 55	6.7	6.76	3300,3633,3998	04,*04*,01
3001	12.7	− 7 34	5.5	*5.38*		. . A
1761	12.8	+47 17	6.5	6.48	3300,3633,3998	*08*,17,*09*
1973	12.8	+44 33	6.5	6.66	3998,4000	09,*09*
3143	12.9	−21 5	7.0	7.22	3305,3307	*02*,02
9159	12.9	−23 22	7.3	7.32	3305,3307	*17*,17
2237	13.1	+13 8	7.5	*7.06*		. A .
3145	13.1	−20 31	7.0	*7.38*		A . .
1940	13.2	+48 55	6.0	6.08	3633,4355,4380	02,*03*,01
330	13.4	+78 51	7.3	7.64	3267,3295	*10*,09
568	13.4	+69 15	6.0	5.74	3295,3998,4381	03,*02*, R
2231	13.4	+25 14	7.0	6.64	4000,4012	05,*06*
3136	13.5	−12 48	7.0	7.01	3303,3315,3999	*10*,*05*,15
8070	13.5	−28 30	5.8	5.60	3316,4363	*14*,15
2345	13.6	+18 13	7.2	6.64	3272,3276,3995	03,23,*25*
1366	13.8	+54 18	7.0	*6.43*		*07*, . 07
6442	14.0	−37 51	7.5	8.45	3307,3315,3628,3994,3994,4005,4005,4012,4012,4015,4015	06, R,08,*03*,*08*,*07*,00,*06*,*20*,16,14
1367	14.1	+54 43	6.5	*6.22*		02, . *02*
2891	14.1	−22 40	7.5	7.72	3307,3994	*03*,02
8145	14.1	−32 3	7.5	7.76	2907,3628,3628,3994	*16*,12,12,*07*
6304	14.2	−35 16	7.5	7.60	3283,3305,3628	05,05,*10*
6281	14.2	−36 19	6.9	6.36	2921,2922,3628,3994,3999,4366	*09*,01,01,10,*02*,02
2466	14.3	+19 59	5.9	5.10	4012,4380,4381	22,*28*,05
2851	14.3	−12 2	6.5	6.13	3303,4366,4374	*08*,18,*11*
569	14.5	+69 26	7.5	*7.55*		09,*11*,01
2467	14.5	+20 21	2.0	*2.35*		. . A
2840	14.5	− 4 37	6.5	6.42	3999,4014	*03*,02
2841	14.6	− 4 44	8.0	7.56	2936,3294	06,*07*
2208	14.7	+22 31	7.5	7.48	3641,3646	*01*,01
6863	14.7	−34 7	6.8	6.56	3283,3305,3628	*04*,*04*,07
1183	14.9	+61 24	7.3	7.47	3267,3295	00,00
8089	14.9	−28 56	8.4	8.93	3294,3305,3307,3679,3681,3994,3994,4005,4005,4012,4012,4366,4366,4387,4387,4388,4388	*19*,05,01,*16*,03,*01*,08,*17*,07,13,26,10,05,*16*,*07*,06,*05*
2030	15.0	+29 27	7.3	*7.51*		A . .
2897	15.0	− 8 34	6.3	6.34	2936,3294,3999	04,*07*,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2114	15.1	+42 21	6.7	*6.67*		. A .
2894	15.1	−22 29	7.4	7.48	3307,3315	01,00
8356	15.1	−30 30	7.5	7.46	3283,3305,3628	13,*04*,*08*
234	15.2	+84 46	5.0	*5.68*		*08*, . 07
2125	15.2	+31 10	7.1	7.26	3636,3643	01,00
2896	15.5	−22 35	7.5	7.49	3307,3628,3679,3994,3994,4005,4005,4012,4012,4014,4014	*10*,04,*21*,14,06, R, R,*23*,12,04,12
1860	15.6	+48 34	7.5	7.62	3300,3633	*02*,03
2846	15.7	− 4 52	7.0	6.92	3999,4014	*05*,05
6302	15.8	−39 12	7.1	7.28	2921,3283,3628	02,08,*10*
1977	15.9	+44 26	7.3	7.47	3998,4000	00,00
2352	15.9	+ 2 47	6.5	*6.34*		. . A
2899	15.9	−23 9	7.5	7.34	3307,3628	*05*,06
3093	16.0	−15 0	7.0	*7.01*		A . .
8175	16.0	−31 19	6.9	6.63	2907,3283,3628	*11*,12,00
2847	16.1	− 4 55	7.0	6.98	3999,4014,4366	*09*,20,*11*
2076	16.3	+41 44	6.5	5.88	3300,3633,3998,4000,4012	*38*,32,03,*01*,02
3097	16.3	−13 17	6.5	6.59	3303,3316,3999	12,09,*21*
3129	16.3	−17 29	6.0	*6.55*		. *05*,05
2115	16.4	+42 0	3.1	3.30	4012,4355,4380	20,*01*,*19*
2192	16.5	+15 29	6.3	6.08	3272,4366,4374	*11*,07,05
8992	16.7	−24 53	6.8	6.87	3289,3307,3994	11,*12*,01
2904	16.8	−23 13	6.5	6.48	3307,3316,3994	*09*,04,06
664	16.9	+66 4	5.0	4.91	3258,3269,3276,3283,3294,3295,3295,3302,3303,3307,3316,3317,3320,3628,3636,3641,3643,3647,3650,3652,3658,3660,3661,3670,3670,3672,3988,3991,3998,3999,4012,4013,4015,4016,4026,4027,4036,4354,4355,4357,4363,4366,4374,4386,4388,4398,4401	*04*,*33*,*04*,*03*,27,06,06,*03*,*25*,*14*,26,37,53,*10*,*15*,*13*,11,*12*,*06*,*29*,*07*,08,*14*,14,*31*,01,*07*,04,*06*,*15*,*34*,*17*,32,11,*03*,01,05,23,11,04,04,19,*03*,*05*,02,04,12
3045	16.9	−22 2	6.7	6.45	3307,3316,3994	06,00,*07*
2352	17.0	+18 1	7.5	7.77	3272,3276	00,00
2344	17.0	+ 9 29	7.0	6.96	3995,4013,4015	07,15,*23*
2328	17.0	− 0 15	7.3	*7.53*		A . .
3133	17.2	−17 32	7.2	6.99	3288,3303,3999	*17*,15,01
2986	17.2	−20 3	7.5	*7.23*		A . .
2130	17.3	+35 44	6.8	*7.04*		A . .
3147	17.3	−12 55	7.0	6.80	3303,3315,3999	11,*14*,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2120	17.4	+34 25	6.0	5.84	4000,4380,4383,	06,*02*,*15*,
					4387	10
2133	17.4	+31 22	7.0	7.57	3636,3643	04,*04*
2116	17.4	+15 52	7.3	7.37	3272,3276	*10*,10
2987	17.4	−19 22	6.5	*6.12*		03, . *04*
2906	17.7	− 8 54	7.0	7.22	2936,3294	*14*,15
2289	17.8	+ 7 4	6.5	*6.28*		. ▲ .
2005	18.1	+30 7	6.5	6.47	4000,4005	14,*14*
2301	18.1	+ 6 12	6.7	6.50	3272,3276,3995	*16*,14,03
5809	18.1	−41 9	5.3	4.97	3262,3270,3272,	*04*,*15*,*14*,
					3289,3628,3636,	26,03,*07*,
					3658,3659,3999,	*06*,*18*,*03*,
					4015,4026,4031,	00,09,19,
					4036,4357,4363,	19,*10*,*08*,
					4398	09
2344	18.2	+39 32	7.5	*7.77*		▲ . .
2081	18.2	+26 4	7.0	6.87	3636,3646,4000	*06*,*02*,07
2122	18.3	+34 42	7.3	*7.27*		▲ . .
9246	18.3	−23 50	6.8	6.72	3307,3316,3994	*05*,08,*02*
2123	18.4	+34 13	5.8	*5.70*		. . ▲
2332	18.4	− 0 24	6.5	6.55	3999,4014	03,*03*
2911	18.4	− 3 35	6.3	*6.07*		. . ▲
3150	18.4	−12 53	6.8	6.54	3303,3315,3999	*03*,02,00
3132	18.5	− 3 9	6.7	6.67	2936,3294,3999	08,*06*,*02*
2124	18.6	+34 41	7.4	*7.27*		▲ . .
8306	18.6	−29 40	6.6	6.29	3289,3305,3994	04,06,*09*
297	18.9	+83 4	5.2	*5.37*		*05*, . 05
7994	18.9	−25 34	7.4	7.05	3289,3307,3994	11,*22*,12
605	19.0	+68 10	7.2	7.67	3267,3295	*20*,20
8411	19.0	−30 26	7.6	7.75	2907,3283,3628	*08*,14,*05*
2217	19.1	+11 6	7.3	6.84	3272,3276,3995	00,00,01
2358	19.1	+ 2 52	6.7	6.43	3272,3276,3995	*12*,08,03
2861	19.1	− 4 26	7.3	7.36	2936,3294	*04*,03
6509	19.1	−37 31	5.7	5.38	3262,3270,3289,	00,24,20,
					3628,3636,3658,	*11*,00,*10*,
					3659,3991,3998,	*10*,*24*,10,
					3999,4000,4012,	*10*,*01*,*01*,
					4015,4026,4031,	09,18,*09*,
					4036,4355,4357,	12,01,*11*,
					4363,4374,4398	00,*05*,*07*
2361	19.3	+ 2 54	7.0	6.71	3272,3276,3995	00,*10*,09
8316	19.3	−29 9	7.6	6.88	3289,3305,3994	17,*10*,*06*
1261	19.4	+59 47	7.5	*8.16*		▲ . .
2136	19.4	+30 52	7.5	7.82	3636,3647	01,00
9258	19.6	−24 7	7.1	7.04	3281,3307	*02*,03
1404	19.7	+53 8	7.5	7.36	3300,3633	*06*,06
2064	19.7	+36 42	6.8	6.63	3636,3647,4000	*02*,07,*06*
9035	19.8	−25 4	7.3	7.09	3289,3305	29,*29*
1310	19.9	+59 39	7.4	*7.66*		▲ . .
3140	19.9	−18 9	neb.	*7.94*		. ▲ .
1390	20.0	+54 54	7.0	*7.11*		▲ . .
2065	20.0	+35 56	6.5	*6.57*		. ▲ .
2351	20.0	+ 9 17	6.0	5.90	3995,4366,4374	*03*,02,00
6523	20.0	−38 5	7.5	7.48	3305,3307,3655	07,*19*,11
2327	20.2	+39 46	7.5	*7.32*		▲ . .
2128	20.2	+34 18	4.5	4.72	3647,4380,4381	*07*,06,01
8022	20.4	−25 51	7.2	7.30	3289,3307	*04*,03
653	20.5	+67 11	7.5	8.02	3267,3295	*15*,15
3161	20.5	−12 16	7.5	7.25	3294,3303	00,00
6528	20.6	−37 48	7.3	6.80	2921,3283,3655	11,03,*13*
2249	20.7	+25 14	7.2	*7.31*		▲ . .
161	20.8	+84 55	7.5	*7.44*		▲ . .
2365	20.8	+ 3 26	7.5	6.75	3272,3276,3995	06,06,*13*
3146	20.8	− 6 34	6.0	5.92	3303	▲
2930	20.8	−19 6	7.5	7.07	3288,3303,4366	*18*,03,14
8164	20.8	−28 42	7.2	6.80	3289,3307,3994	05,*06*,02
3030	20.9	− 7 21	7.5	7.96	3294,3303	13,*14*
2328	21.0	+ 4 26	7.0	6.60	3995,4013	*05*,06
3162	21.0	−12 38	7.3	7.32	3303,3315	*07*,07
1263	21.1	+60 5	6.5	*7.01*		▲ . .
3062	21.3	− 5 56	7.2	6.91	3294,3303,3999	*02*,01,00
3052	21.3	−16 20	4.0	4.07	3288,4366,4374	*02*,09,*07*
2014	21.4	+30 11	7.5	*7.81*		▲ . .
2224	21.4	+17 44	7.5	7.42	3272,3276	*05*,05
901	21.5	+63 24	7.5	8.37	3267,3295	*10*,10
2341	21.5	− 0 29	7.0	*6.78*		. ▲ .
2123	21.6	+42 6	7.0	5.70	3300,3633,3998	*10*,*03*,13
2487	21.6	+19 52	6.8	6.31	3641,4380,4381	*05*,*12*,16
2921	21.7	− 3 53	7.0	*6.67*		. . ▲
1960	21.9	+49 29	6.6	*6.81*		06, . *06*
1961	21.9	+49 21	6.2	*6.54*		*02*, . 03
2093	21.9	+41 43	7.5	7.14	3300,3633	*04*,04
2211	21.9	+11 49	7.2	*6.60*		. ▲ .
2080	22.1	+37 13	4.0	*4.40*		. . ▲
2122	22.1	+16 17	7.5	8.22	3272,3276	*15*,15
6472	22.1	−38 52	6.9	6.95	3283,3305,3655	15,*10*,*05*
1630	22.3	+46 41	7.5	7.57	3300,3633	*17*,17
2152	22.3	+10 16	7.0	*5.85*		*05*, . 05
2333	22.3	+ 4 4	7.5	7.22	3272,3288	*01*,00
3150	22.3	−17 45	7.3	7.83	3288,3303	*11*,11
1832	22.6	+45 43	6.5	6.41	3998,4000	07,*07*
3153	22.6	−17 47	7.0	7.08	3288,3303	*06*,06
9296	22.6	−23 17	7.3	8.09	3307,3655,3665	*10*,11,00
8465	22.6	−30 34	4.4	4.49	3270,3289,3305,	04,*01*,*19*,
					3315,3628,3636,	*01*,06,*04*,
					3658,3659,3665,	10,10,00,
					3666,3991,3998,	*08*,23,06,
					3999,4000,4015,	*10*,*04*,08,
					4026,4031,4036,	21,*12*,01,
					4355,4363,4366,	*02*,*17*,02,

10ʰ

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4374,4380,4398	03,*15*,08
671	22.8	+66 8	6.6	6.39	3267,3295,3998	*02*,18,*15*
349	22.9	+78 0	7.3	7.84	3267,3290	10,*10*
1897	23.1	+27 26	7.5	8.06	3636,3646	06,*05*
2123	23.1	+16 17	7.0	7.17	3272,3276	*20*,20
436	23.2	+73 50	7.0	7.14	3267,3295	*20*,19
2231	23.3	+17 38	7.2	7.07	3272,3276	00,00
6982	23.3	−33 54	7.3	7.56	3283,3305,3655	08,09,16
788	23.4	+63 51	7.5	7.42	3267,3295	*15*,15
1394	23.4	+55 20	7.4	7.38	3300,3633	02,*02*
2021	23.4	+30 15	6.8	7.70	4000,4005	14,*14*
2206	23.4	+14 52	7.2	*7.14*		A . .
3082	23.5	− 9 23	7.3	7.72	3294,3303	05,*04*
R	23.5	−43 50	. .	7.03	3679,4366,4366,	R,03,*21*,
					4401,4401	*08*,25
789	23:6	+64 45	6.2	5.98	3295,4381,4383,	09,*09*,00,
					4386	02
2929	23.7	− 3 14	6.7	6.11	3294,3303,3999	10,*25*,15
2943	23.8	−19 1	6.5	6.90	3288,3303,3999	*01*,00,01
6447	23.8	−35 43	7.3	7.41	3283,3305,3655	10,19,*28*
1604	24.0	+51 31	6.6	7.56	3300,3633	04,*03*
1605	24.0	+51 5	6.2	6.70	3300,3633,3650	00,*11*,10
658	24.2	+66 49	7.2	7.27	3267,3295	*10*,10
1459	24.2	+56 30	4.7	4.82	3300,3633,4380,	*22*,24,*09*,
					4380	06
2357	24.2	+39 26	6.2	*5.92*		*05*, . 05
2097	24.3	+40 59	7.5	6.98	3300,3633,3998,	*18*,08,25,
					4383,4383,4386,	*11*,04,*06*,
					4386,4386,4387,	*22*,00,03,
					4387,4388,4388	20,*02*,*04*
2057	24.3	+29 5	7.0	6.92	3636,3646,4000	*10*,03,07
1890	24.4	+28 22	7.3	7.76	3646,3647	*08*,08
2395	24.4	− 2 14	5.0	*5.26*		. *09*,09
2323	24.6	+ 2 0	7.5	6.85	3272,3276,3995	06,06,*13*
6577	24.7	−37 33	7.2	7.17	2921,3283,3655	*03*,08,*06*
2088	24.8	+36 46	7.0	6.77	3647,3655,4000	*03*,*20*,24
3079	24.9	−21 44	7.5	7.26	3307,3315	05,*05*
3080	24.9	−21 32	7.2	7.04	3307,3315,3994,	*23*,07,*04*,
					3994,4005,4005,	12,06,14,
					4012,4012,4014,	02,02,*06*,
					4014,4366,4366,	*16*,*01*,08,
					4383,4383,4388,	01,06,*11*,
					4388	01
8381	24.9	−29 9	6.0	5.79	3316,4363,4366	*06*,*04*,11
8383	25.0	−30 5	6.0	5.47	3641,3643,3658,	*01*,00,*18*,
					3659,3666,3991,	02,21,*07*,
					3998,3999,4015,	*10*,03,*04*,
					4026,4031,4363,	08,26,*05*,
					4366,4374,4401	*15*,03,02
7391	25.0	−32 26	7.5	7.42	3283,3305,3655	*11*,20,*09*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2663	25.2	− 0 8	5.3	*4.96*		00,09,*10*
2314	25.3	+ 7 34	7.5	7.37	3272,3276,3659,	*33*,17,09,
					3660,3661,3665	02,02,03
2325	25.3	+ 2 40	7.5	7.14	3659,3995	03,*04*
1782	25.4	+47 22	7.3	7.63	3300,3633	*03*,03
3073	25.6	−10 18	7.3	*7.61*		A . .
343	25.7	+81 1	6.2	*6.58*		09, . *08*
3173	26.0	− 7 7	6.0	6.38	3294,4366,4374	01,01,*03*
3181	26.1	−13 5	6.0	5.44	3303,4366,4374	*13*,*09*,23
6521	26.1	−38 33	7.5	7.55	3283,3305,3655	*01*,05,*05*
438	26.2	+74 21	7.4	*7.52*		A . .
1999	26.2	+32 54	6.1	*5.90*		. *03*,04
8084	26.2	−25 59	6.6	6.55	3289,4363,4366	01,*06*,05
2379	26.4	+ 3 22	7.5	6.58	3272,3276,3995	*17*,03,13
1995	26.5	+44 43	7.0	*7.32*		A . .
393	26.6	+76 14	5.0	*4.98*		. . A
2232	26.6	+22 32	7.0	7.45	3646,3647	*04*,04
2260	26.7	+24 57	6.8	*7.16*		A . .
2372	26.7	+18 30	7.5	7.87	3272,3276	*10*,10
2945	26.7	− 8 26	7.5	7.92	3294,3303	*05*,06
3134	26.7	−14 23	6.8	6.94	3999,4014	*02*,03
2255	26.9	+14 39	6.0	5.76	3269,3276,4366	01,*19*,17
3076	27.0	−10 54	7.0	7.42	3303,3315	03,*03*
6783	27.0	−34 37	7.5	7.22	3283,3305,3655	08,*12*,03
7503	27.2	−27 44	6.4	*6.00*		. *08*,07
2363	27.3	+39 44	7.4	*7.32*		A . .
1381	27.5	+54 0	6.8	6.39	3998,4000	00,00
2101	27.5	+40 57	5.2	4.69	3633,4380,4383	17,*07*,*11*
2166	27.5	+ 9 49	4.1	*3.80*		*23*,12,12
3080	27.5	− 5 34	7.2	6.91	3999,4014	03,*03*
1966	27.7	+49 41	7.0	*7.57*		A . .
2939	27.7	−23 6	8.0	7.42	3289,3307	02,*03*
R	27.7	−44 33	. .	5.46	3289,3628,3633,	22,*21*, R,
R	27.7	−44 34	. .		3641,3643,4036,	18, R,01,
					4401	*20*
2154	27.8	+35 31	6.0	*5.63*		. . A
2263	27.8	+25 38	7.5	7.74	3646,3647	00,00
3078	27.8	−16 27	7.4	*7.64*		. A .
6543	28.0	−38 14	7.5	7.50	3283,3305,3655	17,02,*19*
3091	28.1	−22 1	7.0	6.91	3289,3307,3994	*05*,00,04
8330	28.1	−32 3	7.5	7.76	3283,3305,3655	07,09,*15*
2898	28.2	− 4 51	7.5	*7.15*		A . .
8104	28.2	−26 6	7.5	7.68	3289,3289,3307	*12*,08,05
1968	28.3	+49 36	6.9	*7.12*		A . .
2244	28.3	+23 52	7.0	7.10	3646,3647	00,01
3194	28.3	−12 54	6.8	6.85	3303,3307,3999	06,17,*22*
R	28.3	−44 6	. .	6.13	4398,4398	*04*,04
2210	28.5	+20 49	7.5	7.31	3646,3647	*07*,07
1277	28.7	+57 36	5.0	5.10	3998,4380,4383,	*02*,06,*04*,

10^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					4386	14	*3094*	32.2	−11 14	6.8	6.54	4014,4016	06,*06*
6521	28.9	−35 33	7.5	7.56	3283,3305,3655	07,*04*,*04*	2145	32.3	+34 36	6.5	6.68	4000,4005	*04*,03
2236	29.0	+22 7	7.0	7.32	3646,3647	*02*,02	2921	32.5	−11 53	7.2	6.93	3303,3315,4016	22,*14*,*08*
6488	29.1	−39 44	7.0	6.73	2921,3283,3655	*04*,14,*11*	8033	32.5	−26 53	5.3	4.97	4005,4363,4366	*08*,12,*03*
1902	29.2	+28 30	6.8	6.85	3646,3647,4000	*01*,*05*,06	8383	32.6	−31 15	7.0	6.90	3283,3305,3655	15,*02*,*12*
2101	29.2	+26 41	7.3	7.74	3646,3647	03,*03*	1387	32.9	+54 12	6.0	5.74	3295,3300,4380	06,06,*11*
2946	29.2	−23 14	5.5	5.38	3307,4363,4366	01,*14*,13	2963	32.9	−22 52	7.8	7.36	3289,3307	18,*17*
8002	29.2	−26 50	7.3	7.66	3289,3307	07,*06*	2061	33.1	+32 30	4.8	*4.77*		. *03*,03
2131	29.3	+42 25	7.1	7.03	3300,3633	*03*,03	6590	33.1	−35 12	7.0	6.87	2921,3283,3655	*09*,18,*10*
3101	29.3	− 9 23	7.3	7.68	3294,3303	*01*,00	440	33.2	+74 18	7.3	*7.67*		A . .
2105	29.4	+41 23	7.5	7.83	3300,3633	*13*,13	2097	33.2	+36 33	7.5	7.78	3643,3646	05,*04*
1642	29.5	+46 10	7.2	7.23	3300,3633	*03*,03	2166	33.4	+38 26	5.7	5.84	4005,4380,4381	01,*10*,09
2330	29.6	+ 7 28	6.3	5.18	3269,3995,4366	*04*,*06*,09	*349*	33.6	+80 57	6.2	*6.70*		00, . 00
2374	29.8	+ 9 10	6.2	5.73	3272,4366,4374	*19*,30,*11*	2144	33.6	+16 39	6.5	6.69	3269,4366,4374	*12*,15,*04*
2950	29.8	− 3 23	7.0	6.62	3294,3303,3999	09,*06*,*04*	3100	33.7	−16 22	5.2	5.02	4387,4398,4417	01,*04*,04
6485	29.8	−36 53	6.9	6.81	2921,3283,3655,	*09*,01,*17*,	2925	33.9	−11 56	6.5	5.89	3303,3315,4016	06,00,*05*
					3672	25	*3156*	33.9	−15 13	7.5	*7.71*		A . .
2240	29.9	+21 54	7.5	7.65	3646,3647	03,*03*	1797	34.2	+47 22	6.8	7.30	3295,3300	00,00
2334	29.9	+ 2 43	7.0	6.73	3269,3272,3995	*01*,*02*,02	8168	34.4	−25 20	7.3	7.26	3289,3307	02,*01*
3100	29.9	−21 41	7.3	7.64	3289,3307	02,*03*	*359*	34.5	+77 57	7.0	7.58	3290,3295	*04*,05
1496	30.1	+52 38	6.9	7.40	3300,3633	*10*,09	7137	34.5	−33 25	7.5	8.06	3283,3305,3655	10,12,*21*
2952	30.2	−22 40	6.7	*6.22*		. *06*,06	R	34.5	−42 14	. .	6.29	3269,3316,4005	07,15,*22*
8546	30.2	−30 50	7.3	7.22	3283,3305,3307,	25,*02*,*05*,	*583*	34.7	+68 58	5.5	*5.85*		. . A
					3665	*18*	3228	34.7	−12 28	7.5	7.27	3303,3315	08,*08*
8122	30.3	−25 52	7.6	7.64	3289,3307	12,*11*	6565	34.7	−36 10	6.9	6.82	2921,3283,3665	08,*03*,*04*
2906	30.4	− 4 51	7.5	*7.30*		A . .	1916	34.8	+28 2	6.5	*6.93*		. A .
3205	30.4	−12 21	7.0	6.78	3303,3315,4014	17,*19*,01	6566	34.8	−36 55	7.5	7.62	3283,3305,3665	10,18,*28*
2100	30.6	+36 51	6.3	6.24	3643,3647,4380	08,*03*,*06*	2140	34.9	+42 3	7.5	7.90	3295,3300	00,00
3187	30.8	−18 3	6.6	6.43	3288,3303,4014	*01*,01,*01*	2101	34.9	+36 14	7.5	8.14	3643,3646	05,*06*
6579	30.8	−39 3	5.9	6.01	3305,3307,3316,	51,57,21,	*3122*	34.9	−22 0	7.5	7.38	3289,3307	08,*07*
					3628,3633,3641,	00,*10*,06,	6699	35.0	−37 18	7.5	7.98	3283,3305,3679	10,17,*26*
					3643,3650,3658,	*02*,03,15,	1427	35.1	+53 30	7.0	7.10	3295,3300	10,*10*
					3659,3660,3666,	04,*21*, R,	678	35.2	+60 14	5.2	*5.21*		. . A
					3991,3998,4005,	*61*,00,01,	*7529*	35.2	−33 6	7.3	7.41	3283,3305,4005	07,*01*,*07*
					4016,4031,4036,	20,*08*,*02*,	6572	35.2	−36 55	7.3	7.59	3283,3305,3307,	03,21,13,
					4363,4366,4374,	*43*,*15*,*08*,						3665,4005,4012,	*45*,*24*,23,
					4401	*01*						4014,4363	04,08
6501	30.9	−36 51	7.2	7.01	2921,3283,3655	*19*,21,*02*	2116	35.4	+26 13	7.5	7.73	3643,3646	06,*06*
1278	31.0	+56 57	6.5	6.68	3300,3633,3998	*08*,*22*,30	2259	35.8	+17 24	7.5	7.87	3269,3272	*10*,10
3108	31.3	−10 4	6.5	6.54	4014,4016	03,*03*	586	35.9	+69 36	4.7	5.24	3262,3267,3269,	*06*,23,04,
3087	31.4	−15 50	6.3	*6.23*		*23*,22,00						3290,3295,3300,	13,*07*,04,
8022	31.4	−26 10	6.6	*6.32*		. *05*,04						3302,3303,3305,	*36*,02,*17*,
2918	31.5	−11 42	5.7	*5.82*		. *05*,05						3307,3310,3315,	*07*,*01*,03,
2280	31.7	+13 23	7.3	7.52	3269,3272	*05*,05						3316,3317,3320,	*07*,04,20,
1274	31.9	+60 38	6.7	6.88	3998,4000	09,*09*						3321,3323,3324,	03,*18*,01,
8306	31.9	−28 15	7.0	*6.74*		. *10*,09						3628,3632,3641,	15,*01*,02,
2963	32.0	− 8 19	6.8	7.12	3294,3303	05,*04*						3646,3647,3650,	*09*,15,*31*,
7567	32.0	−27 9	7.0	6.83	3289,3307,4005	08,*05*,*04*						3652,3659,3661,	*07*,01,*04*,
7479	32.0	−32 45	6.9	7.02	3283,3305,3655	*04*,08,*03*						3665,3666,3672,	13,35,*19*,
3109	32.1	−22 9	7.2	7.24	3289,3307	02,*03*						3677,3679,3681,	02,*02*,14,

10^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3687,3692,3693,	*15*,*01*,13,
					3694,3696,3699,	01,00,15,
					3703,3705,3955,	07,*08*,*02*,
					3955,3957,3957,	04,22,06,
					3959,3959,3969,	*11*,26,21,
					3969,3970,3970,	*08*,20,15,
					3991,3994,3995,	22,*13*,*12*,
					3998,3999,4013,	04,14,06,
					4014,4026,4036,	*20*,*03*,*12*,
					4043,4051,4363,	05,*31*,05,
					4366,4374,4381,	*13*,*02*,*12*,
					4383,4386,4387,	14,*17*,10,
					4388,4389,4396,	10,*24*,*03*,
					4398,4401,4406	01,*07*,*02*
2364	36.3	− 1 13	6.5	*6.48*		00, . *01*
6646	36.3	−35 13	6.5	6.54	2921,3283,3665,	*26*,11,34,
					4005,4012,4014,	*29*,23,02,
					4363,4366,4383,	*13*,*02*,*02*,
					4387	02
2066	36.6	+32 14	6.5	6.33	3643,3646,4000	14,*11*,*03*
1142	36.7	+62 44	7.3	7.92	3290,3295	*05*,05
1472	36.7	+56 25	7.5	7.65	3295,3300	15,*15*
7170	36.8	−33 11	7.5	8.02	3283,3305,3655	14,*04*,*11*
1621	36.9	+51 20	6.5	7.20	3295,3300	10,*10*
3094	36.9	− 7 32	7.3	7.48	2936,3294	00,*01*
6656	36.9	−35 13	6.9	6.95	2921,3283,3665	*17*,00,17
2269	37.0	+10 53	7.2	7.29	3269,3272	15,*15*
2390	37.1	+18 46	7.0	7.17	3269,3272	00,00
8191	37.1	−25 32	7.3	7.30	3289,3307	06,*07*
2471	37.2	+ 1 23	7.5	7.62	3269,3272	*10*,09
3196	37.3	−13 16	7.0	6.68	3303,3315,4016	03,*12*,10
1286	37.4	+57 43	5.8	5.74	3295,4380,4383,	06,*25*,07,
					4386	11
2366	37.5	+18 55	7.5	7.47	3269,3272	00,00
2375	37.5	+ 4 6	7.7	*6.63*		. A .
3097	37.5	− 8 12	6.9	6.96	2936,3294,4016	02,01,*04*
2060	37.6	+29 54	7.5	*7.81*		A . .
1927	37.6	+26 51	5.3	*5.47*		. . A
3197	37.6	−13 27	6.2	6.44	3315,4016,4366	02,*08*,06
3080	37.6	−20 4	7.5	*7.63*		A . .
1657	37.7	+46 44	5.2	5.20	3633,4380,4383,	*15*,08,*01*,
					4386	09
2431	37.7	− 1 39	7.5	7.18	3294,3303	13,*12*
7567	37.8	−33 8	7.7	7.49	3283,3655,3665,	19,*03*,06,
					3679	*21*
1760	37.9	+50 20	6.6	*7.17*		A . .
2253	38.0	+23 43	5.5	5.06	3646,4380,4381	01,*11*,11
2384	38.1	+ 5 16	6.2	6.08	4366,4374	09,*10*
2988	38.1	−23 2	7.0	6.88	3289,3307,4005,	16,*19*,10,
					4012,4014,4014,	04,*06*,07,
					4015,4015,4366,	*02*,04,*01*,
					4366,4387,4387	*24*,06,09
7572	38.1	−32 12	5.9	5.62	3269,3276,3283,	02,*03*,09,
					3307,3633,3641,	*01*,*02*,*09*,
					3643,3647,3650,	*04*,01,*13*,
					3652,3660,3665,	06,*27*,*07*,
					3666,3670,3672,	29,*08*,14,
					3679,3991,3998,	11,13,*05*,
					4005,4016,4363,	*04*,*06*,*06*,
					4366,4374,4401	*01*,07,00
617	38.2	+67 56	6.2	*6.32*		. 05,*04*
1432	38.3	+52 56	7.5	8.25	3295,3300	05,*05*
504	38.4	+72 49	6.8	7.18	3290,3295	*14*,15
2368	38.4	+18 51	6.7	6.66	3995,4013	*06*,07
8467	38.7	−31 14	6.8	6.73	3283,3307,3655	12,*08*,*05*
2022	38.8	+33 9	7.3	7.62	3643,3646	*06*,06
2514	38.8	+20 17	6.8	*6.10*		15, . *16*
8394	38.8	−28 33	7.5	7.82	3289,3307	*04*,04
8469	38.8	−31 37	7.3	7.10	3283,3307,3655	15,*15*,00
1986	38.9	+49 4	7.3	8.00	3295,3300	10,*10*
2144	38.9	+42 15	7.2	7.70	3295,3300,3650,	20,*30*,*05*,
					3658,3659	*01*,17
8662	39.0	−30 20	7.3	7.37	3283,3307,3655	02,02,*03*
6693	39.1	−38 32	7.1	7.08	2921,3283,3655	*18*,26,*08*
2119	39.2	+40 54	7.5	8.05	3295,3300	05,*05*
1659	39.5	+46 5	7.0	6.87	3295,3300,3998	03,*07*,03
3013	39.5	−18 36	7.5	7.80	3288,3303	*11*,10
2145	39.6	+41 50	7.2	7.10	3295,3300	00,00
9500	39.7	−23 28	7.0	6.81	3289,3307,4005	03,*02*,*02*
1290	39.8	+57 26	6.8	*7.03*		. A .
2378	39.8	+ 3 50	7.5	7.02	2904,3269,3272	00,00,*01*
2408	40.0	+ 3 0	6.5	*6.57*		. A .
6644	40.0	−36 24	6.8	6.66	2921,3288,3283,	*09*,10,10,
					3655	*10*
6769	40.1	−37 37	7.4	7.73	3283,3305,3655	02,*11*,08
1281	40.2	+57 53	6.3	*6.49*		. A .
2024	40.2	+33 8	7.4	7.52	3643,3646	*04*,04
2180	40.3	+31 13	5.2	5.32	3641,4380,4381	*01*,*06*,08
8571	40.4	−29 9	7.1	7.80	3289,3307	05,*06*
3134	40.8	−10 11	7.1	*7.26*		A . .
9289	40.8	−24 30	7.5	7.44	3289,3307	07,*07*
2356	40.9	+ 6 54	7.2	*6.34*		. . A
2371	41.0	+19 25	5.6	*5.57*		. . A
2045	41.1	+43 34	7.5	7.45	3295,3300	15,*15*
2302	41.1	+13 16	6.5	*6.80*		. A .
1289	41.2	+60 38	7.2	7.22	3295,3300	15,*14*
2294	41.2	+14 43	5.8	5.55	3269,3272,4367	*08*,02,07
6659	41.2	−36 25	7.5	7.72	3305,3307,3655	*07*,04,03
2273	41.4	+17 4	7.0	7.72	3269,3272	*05*,05
3264	41.4	−12 56	7.0	7.14	3303,3315	*03*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3001	41.4	−22 54	7.3	7.62	3289,3307	*08*,07
3176	41.5	−14 30	7.5	7.24	3303,3315	07,*08*
8131	41.5	−26 12	7.6	7.48	3289,3315	08,*09*
3022	41.6	−19 14	7.0	7.14	3288,3303	15,*14*
3023	41.7	−18 20	7.0	7.53	3288,3303	*01*,01
1936	41.9	+27 26	7.3	7.32	3641,3646	*03*,04
3124	41.9	−16 46	6.2	5.49	3288,4366,4383,4387	*17*,08,09,*02*
3181	42.0	−15 12	7.2	*7.01*		A . .
9306	42.0	−25 1	7.4	7.56	3289,3307	12,*11*
8237	42.0	−25 32	6.9	6.86	3289,3307,4005	00,07,*06*
803	42.1	+65 40	6.5	*6.21*		*06*,04,01
2123	42.3	+41 37	7.0	6.85	3295,3300,3998	05,*15*,09
2371	42.3	+40 17	6.9	*7.02*		A . .
2179	42.7	+38 6	7.0	6.89	3641,3643,4000	*12*,06,07
3186	42.7	−14 44	7.0	6.46	3303,3315,4016	*15*,00,16
3188	42.7	−14 43	7.5	6.89	3303,4016,4017	02,01,*03*
3189	42.7	−14 35	7.2	7.04	3303,3315	*03*,02
810	42.9	+64 19	7.0	6.62	3998,4000	03,*04*
8723	42.9	−31 5	7.5	7.20	3283,3307,3652,3655,3672,3679,3681,4005,4005,4012,4012,4014,4014	07,*03*,04,08,07,04,*15*,*04*,*13*,*11*,03,02,17
402	43.5	+76 32	7.0	7.14	3290,3295	*10*,09
2072	43.5	+29 57	6.5	*6.29*		A . .
2446	43.6	− 1 26	6.5	6.19	2936,3294,4016	*04*,12,*08*
8536	43.6	−31 10	6.2	5.80	3269,3276,3283,3307,3633,3641,3643,3647,3650,3652,3655,3660,3666,3670,3998,4005,4014,4016,4363,4374,4383,4401	*10*,15,15,*05*,*04*,*03*,*01*,*03*,*04*,*05*,08,*22*,24,08,*13*,03,01,*16*,02,*01*,10,09
2283	44.0	+11 4	5.3	*5.25*		. 06,*06*
3010	44.0	− 8 34	7.3	7.12	2936,4016	16,*16*
2279	44.1	+17 41	7.0	7.17	2904,3269,3272	01,00,00
2952	44.1	− 4 52	7.5	*7.85*		A . .
7699	44.2	−27 23	7.0	6.92	3289,3315,4012	*11*,*19*,30
2999	44.3	− 3 30	6.7	*6.49*		. A .
8451	44.3	−28 34	7.5	8.21	3289,3315	04,*04*
8738	44.3	−30 32	7.5	7.55	3283,3307,3652	02,*08*,07
1931	44.4	+28 31	6.3	*6.12*		. *06*,05
8743	44.4	−30 14	7.5	7.46	3283,3307,3652	23,*07*,*16*
8159	44.5	−26 17	7.5	7.48	3289,3315	18,*19*
6831	44.5	−37 47	7.5	8.09	3283,3305,3655	04,*09*,04
2128	44.6	+36 39	7.3	7.73	3641,3643	*13*,13
3138	44.7	−15 40	3	*3.34*		*04*,08,*04*
3147	44.8	− 9 19	5.5	6.08	3294,4366,4383,4387	*11*,12,03,*03*
6761	44.8	−38 39	7.3	7.10	3283,3305,3655	02,08,*11*
1293	44.9	+56 46	7.5	7.34	3300,3650	*04*,03
8636	44.9	−29 28	7.4	7.82	3289,3307	01,00
1294	45.0	+57 7	6.1	5.69	3300,3650,4380	01,03,*05*
2076	45.0	+32 34	7.3	7.48	3641,3643	*11*,11
1296	45.1	+59 51	5.8	5.67	4380,4383,4386	*07*,15,*07*
2279	45.3	+23 57	6.8	6.53	4000,4013	00,00
3018	45.3	− 8 22	5.2	5.73	4016,4366,4383,4387	*09*,02,00,06
7288	45.3	−33 32	5.8	5.65	3269,3276,3305,3317,3633,3641,3643,3647,3650,3652,3660,3661,3666,3670,4005,4014,4016,4383,4401	14,*12*,03,*03*,*20*,*06*,*13*,00,*10*,03,*16*,22,26,07,*03*,00,*21*,20,14
6771	45.3	−35 17	7.3	7.35	3283,3305,4012	10,*10*,00
338	45.7	+79 52	7.5	*7.87*		A . .
2388	45.8	+ 4 8	7.3	7.11	2904,3272,3276	01,20,*20*
7293	45.8	−33 19	7.5	7.62	3283,3315,3652	*06*,11,*06*
2266	45.9	+12 7	6.8	*6.83*		. A .
3236	46.0	− 2 33	6.0	*6.18*		. *01*,00
3202	46.0	−14 21	7.5	7.52	3294,3303	00,*01*
1632	46.2	+50 48	6.2	7.00	3650,3658,3659	10,*16*,07
3245	46.2	−17 48	7.0	*6.55*		. A .
3005	46.3	− 4 12	7.5	7.36	2936,3294	*04*,03
3280	46.4	−21 0	8.2	*7.97*		. A .
1439	46.5	+53 6	6.2	*6.81*		. . A
1440	46.5	+53 3	6.0	6.60	3998,4380,4383,4386	*06*,22,07,*22*
2047	46.5	+33 10	7.5	7.76	3641,3643	*03*,02
6741	46.6	−36 26	7.5	7.74	3283,3305,3655	02,*09*,07
1519	46.7	+52 36	6.5	6.93	3300,3650,3998	*03*,*05*,09
1670	46.7	+46 20	7.3	7.07	3650,3658,3998	*01*,*20*,21
634	46.8	+70 23	6.0	6.15	3295,4380,4381	22,*26*,03
2386	47.0	+38 52	7.1	7.53	3641,3643	*08*,08
2378	47.1	+40 42	7.0	7.38	3641,3643	*05*,06
2049	47.1	+33 32	7.5	7.58	3641,3643	*15*,14
2495	47.1	+ 1 33	6.9	6.28	2904,3272,3276	*06*,03,03
8481	47.1	−29 7	7.5	7.84	3289,3307	01,00
412	47.2	+77 38	6.8	7.04	3290,3295	*10*,09
3139	47.3	−10 34	7.0	*7.51*		A . .
2412	47.4	+ 5 32	7.3	8.14	3276,3288	00,00
2710	47.5	+ 0 21	6.5	6.50	3995,4013	*07*,06
1418	47.6	+55 7	5.7	*5.33*		. . A
1775	47.7	+49 46	7.5	*7.77*		A . .
2172	47.7	+34 45	4.0	*3.92*		*05*, . 05
3141	47.7	−10 53	7.5	7.48	4016,4017	*02*,01
3150	47.7	−16 3	7.5	7.62	3288,3303	03,*04*

10^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3252	47.8	− 6 17	7.2	7.20	2936,3294	02,*01*
2415	47.9	+ 5 30	7.7	7.75	2904,3272,3276	07,06,*14*
3142	48.0	−16 45	7.5	7.16	3288,3303	09,*08*
3048	48.0	−19 2	7.5	8.00	3288,3303	09,*10*
1897	48.1	+48 13	7.3	7.54	3650,3658	*13*,13
2058	48.2	+43 43	5.2	*4.77*		. . A
2145	48.2	+26 44	7.0	7.28	3641,3646	*04*,03
3122	48.2	−20 5	7.0	*7.08*		A . .
8607	48.3	−31 28	7.5	8.36	3283,3305,3652	*01*,02,*02*
2459	48.4	− 1 43	6.7	6.23	2936,3294,4016	12,*02*,*11*
7042	48.4	−34 58	6.7	6.68	3283,3305,3652	09,*10*,00
6749	48.5	−39 53	7.9	7.80	2921,3283,3655, 4005,4012,4012, 4014,4016	*54*,*05*,38, *01*,12,20, *02*,09
3213	48.6	−14 55	6.6	6.52	4016,4017,4018	*01*,*03*,04
3125	48.6	−19 36	5.0	5.31	4017,4018,4366	*01*,*10*,11
2460	48.7	− 1 36	5.7	5.52	2936,3294,4366	*07*,*01*,08
2158	48.9	+41 52	7.5	7.66	3650,3658	*14*,14
2199	48.9	+31 6	7.0	7.42	3641,3643	*01*,02
2970	48.9	−11 54	6.8	7.30	3294,3303	*05*,05
6806	49.0	−38 35	7.5	7.72	3283,3305,3655	*18*,*02*,20
2133	49.1	+37 18	7.0	7.29	3641,3643	*26*,26
2085	49.1	+30 11	7.0	6.58	4000,4013	16,*17*
2322	49.1	+12 55	7.5	7.47	3272,3276	*10*,10
8614	49.1	−31 48	7.4	7.71	3283,3305,3652	*08*,14,*05*
8207	49.2	−26 13	7.5	7.30	3289,3307	16,*17*
2384	49.3	+40 21	7.5	8.20	3641,3643	*17*,17
2147	49.3	+26 1	6.5	6.20	3641,4380,4381, 4387	*03*,*02*,*01*, 07
3293	49.3	−13 14	6.3	*5.89*		. . A
2178	49.4	+34 34	7.0	*5.90*		02, . *03*
6821	49.4	−35 56	6.9	6.78	2921,3283,3655	*35*,13,21
808	49.8	+65 5	7.5	*7.30*		A . .
6818	49.9	−38 13	7.0	6.84	2921,3283,3655	*28*,05,24
429	50.0	+74 53	8.0	8.08	3660,3666,4012, 4012,4015,4015, 4016,4016,4383, 4383,4387,4387, 4388,4388	07,12,*02*, *01*,12,*32*, *25*,*19*,*02*, *01*,17,10, 10,08
2277	50.1	+23 42	7.3	7.50	3641,3646	*03*,02
8709	50.1	−29 48	7.5	7.72	3315,3316	12,*11*
2181	50.2	+34 2	5.5	5.23	3643,4380,4381	02,*08*,07
2314	50.2	+25 17	4.0	*4.30*		. . A
2974	50.2	−11 35	7.5	7.70	3294,3303	15,*15*
3134	50.3	−20 8	6.5	6.62	4012,4014	18,*17*
1290	50.4	+58 2	7.3	6.78	3650,3658,3998	*05*,*04*,09
2162	50.6	+42 33	6.3	6.11	3650,3658,3998	*02*,*03*,04
2420	50.6	+18 41	7.2	*7.32*		. A .
2501	50.6	+ 1 16	6.2	*6.11*		. . A
8224	50.7	−26 27	7.3	7.12	3289,3307	11,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1526	50.8	+52 44	7.5	7.97	3650,3658	*15*,15
2369	50.8	+ 6 43	6.5	6.08	3267,3272,3276, 3660,3666,3672, 4012,4012,4015, 4015,4017,4017	*02*,26,*04*, *08*,20,15, *27*,08,*10*, 00,*01*,*23*
2287	50.9	+23 48	7.3	7.23	3641,3646	*04*,04
2279	50.9	+22 54	6.2	*6.24*		. . A
2502	51.0	+ 0 58	8.0	*6.86*		. A .
8637	51.1	−31 15	7.4	7.18	3283,3289,3652	07,*03*,*03*
2152	51.2	+26 2	7.0	6.46	3646,3647,4380	12,*10*,*03*
9620	51.2	−23 30	7.5	8.10	3315,4012	*12*,13
7085	51.3	−34 35	7.5	7.41	3283,3305,3307, 3655,4012,4014, 4016	09,*01*,*21*, 44,*02*,01, *28*
9416	51.4	−25 3	7.5	8.38	3307,3315	*03*,04
406	51.5	+76 16	7.3	7.64	3290,3295	*20*,19
2164	51.5	+41 52	7.3	7.38	3650,3658	*15*,14
1905	51.8	+48 18	7.5	7.86	3650,3658	*01*,01
2290	51.8	+22 21	7.5	7.84	3641,3647	*15*,14
367	52.0	+78 18	6.2	6.36	3295,4380,4381	27,*07*,*20*
2718	52.0	+ 0 14	7.5	6.86	3995,4013	16,*15*
2207	52.1	+31 12	7.0	7.86	3643,3647	*02*,03
6808	52.1	−36 36	5.1	4.75	3276,3317,3320, 3323,3633,3647, 3650,3652,3655, 3660,3661,3665, 4005,4012,4014, 4016,4016,4383	*02*,07,12, 17,*16*,13, *24*,*03*,22, *22*,09,*05*, *17*,01,09, 13,*09*,*01*
641	52.2	+70 32	7.1	*7.37*		. A .
8839	52.2	−30 40	7.5	7.29	3283,3305,3652, 3655	08,*09*,*01*, 03
2191	52.4	+16 18	7.3	7.77	3272,3276	00,00
2210	52.5	+31 38	8.0	8.28	3666,3679,3681, 4015,4015,4036, 4036	02,*22*,*13*, 16,11,13, *09*
3195	53.1	−21 28	7.2	7.54	3289,3307	02,*03*
2292	53.2	+21 47	7.5	8.30	3647,3658	*05*,06
348	53.3	+79 25	7.3	*7.56*		A . .
1879	53.3	+45 44	6.8	7.04	3998,4000	00,*01*
2293	53.3	+22 3	7.4	7.70	3641,3647	*03*,03
2538	53.3	+20 10	6.8	6.89	4000,4013	22,*22*
1528	53.4	+52 26	6.0	*6.27*		. . A
8558	53.4	−28 42	7.4	7.80	3289,3307	*05*,04
1338	53.7	+59 28	7.0	*7.26*		A . .
9646	53.7	−23 40	7.4	7.99	3289,3307	12,*12*
9645	53.7	−24 1	7.5	8.14	3289,3307	*03*,03
2429	53.8	+18 23	7.0	7.37	3272,3276	00,00
2147	53.9	+40 58	4.8	*5.10*		. . A
2139	53.9	+36 40	6.0	*6.10*		. . A
3072	54.0	−19 4	6.8	6.96	3288,3303,4016,	*07*,*06*,*15*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4017	26
6947	54.0	−37 40	7.3	7.55	3283,3305,4012	18,*05*,*14*
3182	54.3	− 9 47	6.8	*7.06*		A . .
2230	54.4	+10 28	7.5	7.04	3272,3276	00,00
7398	54.4	−33 50	7.5	7.85	3283,3289,3652	*11*,07,03
1680	54.5	+46 4	6.0	5.65	3998,4000,4380	12,01,*12*
2216	54.5	+31 33	8.9	9.73	3660,3666,3679,	*18*,15,*22*,
					3681,4015,4015,	21,18,14,
					4018,4018,4036,	13,06,*25*,
					4036,4389,4389,	*04*,*12*,00,
					4398,4398,4406,	*09*,02,11,
					4406	*13*
2284	54.5	+12 14	6.5	*6.36*		. A .
7401	54.5	−33 12	6.0	5.69	3276,3288,3302,	14,00,*19*,
					3305,3317,3321,	*01*,13,*06*,
					3323,3633,3647,	*09*,*03*,*05*,
					3652,3660,3661,	05,*16*,*06*,
					3665,3670,4005,	*08*,*04*,*01*,
					4012,4014,4016,	05,02,05,
					4043,4383	17,13
1529	54.6	+52 2	6.3	6.50	3658,4383,4386	*19*,15,03
3174	54.6	−15 48	6.5	6.24	4017,4366,4383,	06,*14*,05,
					4387	03
2068	54.7	+43 27	6.2	*6.13*		. . A
2296	54.7	+22 34	7.0	7.20	3641,3647	*17*,18
824	54.8	+63 58	6.8	6.29	3998,4000	00,00
3273	54.9	−17 46	4.0	*4.26*		. . A
3264	55.0	− 2 56	7.3	7.28	2936,3294	*03*,03
677	55.1	+67 0	7.0	7.82	3290,3295	*15*,15
2069	55.1	+43 15	7.0	*6.73*		. . A
7131	55.1	−34 36	7.5	7.40	3283,3305,4012	*20*,10,10
2400	55.2	+39 45	4.9	*4.98*		*06*, . 06
3271	55.2	−13 33	6.5	*6.02*		. . A
1909	55.3	+48 14	7.2	7.80	3650,3658	*15*,16
2407	55.4	+ 4 9	4.5	5.09	3995,4374,4383,	*11*,26,*10*,
					4386	*05*
3062	55.4	− 8 57	7.3	7.48	2936,3294	00,*01*
R	55.4	−43 16	. .	5.82	3269,3302,3317,	*01*,*02*,*14*,
					3321,4014,4043,	17,08,28,
					4383,4398	*27*,*07*
6832	55.5	−39 53	8.5	8.59	3655,3679,3681,	10,*10*,*14*,
					4012,4012,4014,	14,29,*02*,
					4014,4018,4018,	11,*06*,*15*,
					4036,4036	*05*,*11*
6276	55.5	−41 41	4.5	4.56	3269,3288,3302,	*03*,07,*04*,
					3317,3321,3647,	*04*,14,*07*,
					3661,3687,4014,	*02*,07,*01*,
					4043,4383	14,*25*
1839	55.6	+47 5	6.7	7.01	3650,3658,3998	*11*,05,05
2384	55.6	+ 6 38	5.2	5.10	3995,4374,4383,	03,*13*,22,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4386	*14*
1455	55.7	+53 16	7.1	7.22	3650,3658	*03*,02
3079	55.7	−18 48	7.1	7.04	3288,3303	05,*04*
1302	55.8	+56 55	2.3	*2.36*		. *20*,21
2996	55.8	−12 0	7.5	7.50	3294,3303	15,*15*
3178	55.9	−15 15	7.0	6.46	4016,4017	*04*,04
8696	56.0	−31 18	6.3	6.18	3315,3320,3321,	17,12,04,
					3665,3670,4005,	*08*,*26*,05,
					4014,4043	*02*,*05*
2145	56.2	+37 13	6.8	7.31	3643,3647	18,*18*
1345	56.3	+59 13	6.6	*6.84*		*03*, . 03
3066	56.3	− 9 14	7.3	7.72	2936,3294	06,*05*
6845	56.3	−39 58	6.9	6.83	2921,3283,3305,	*27*,12,05,
					3321,3679,3681,	*04*,00,03,
					3687,4012,4012,	02,13,02,
					4014,4014,4014,	*06*,15,*20*,
					4014,4018,4018,	10,06,17,
					4036,4036	*15*,*21*
2097	56.4	+30 26	6.8	*7.26*		A . .
1436	56.6	+55 34	7.5	7.40	3650,3658	02,*01*
645	56.8	+70 35	6.3	6.69	3998,4000	*02*,02
2471	56.8	− 1 57	5.2	*5.02*		. *02*,01
2547	57.0	+20 43	4.3	*4.37*		. . A
1160	57.2	+62 12	6.5	7.12	3290,3295	*05*,05
2441	57.4	+ 9 43	7.5	*7.08*		09,*09*, .
6993	57.4	−37 18	7.3	7.84	3305,3315,3655,	*09*,*20*,42,
					4012,4014	*15*,00
2012	57.5	+49 22	7.5	*8.27*		A . .
3195	57.5	− 9 27	7.0	7.52	2936,3294	06,*05*
3326	57.5	−20 52	7.5	7.42	3289,3307	07,*08*
1161	57.6	+62 17	2.0	1.95	3267,3269,3288,	*08*,43,*08*,
					3290,3295,3300,	*18*,*08*,*27*,
					3302,3303,3305,	*17*,11,32,
					3310,3315,3316,	*22*,12,*18*,
					3317,3320,3321,	*27*,09,12,
					3323,3632,3641,	21,*20*,39,
					3646,3652,3659,	03,*05*,*06*,
					3660,3661,3665,	*22*,*14*,12,
					3666,3670,3672,	*37*,09,*14*,
					3679,3681,3687,	*19*,03,17,
					3994,3995,3998,	07,*03*,24,
					4013,4014,4026,	01,08,*17*,
					4036,4043,4044,	*03*,*19*,*08*,
					4051,4363,4366,	09,07,12,
					4374,4380,4381,	*06*,06,*11*,
					4383,4387,4388,	25,17,16,
					4389,4396,4398,	02,11,*17*,
					4401,4406	*19*,01
3270	57.6	− 2 58	6.7	7.13	2936,3294	12,*12*
8302	57.6	−26 17	6.5	6.29	3289,4363,4366	*03*,16,*13*

10^{h} — 11^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2116	57.8	+29 29	7.0	*7.29*		. A . .
2147	57.9	+36 38	7.3	7.60	3643,3647	14,*15*
2728	58.1	− 0 13	7.5	6.17	3294,4366,4383,4387	04,*02*,16,*17*
9487	58.2	−25 2	6.7	6.65	3289,3307,4012	13,*10*,*03*
2171	58.3	+26 20	6.8	6.87	3641,3647,4000	*08*,*09*,18
3184	58.3	−10 46	6.0	5.65	4017,4366,4383,4387	*21*,14,31,*25*
2100	58.4	+31 47	8.6	8.55	2914,3294	35,*35*
2729	58.5	+ 0 32	6.5	*6.14*		00, . 01
8311	58.5	−26 59	7.3	7.52	3289,3307	11,*11*
8726	58.5	−31 25	6.8	6.63	2952,3288,3305	*11*,07,05
3333	58.6	−12 54	7.0	6.38	3294,3303,4016	*06*,13,*07*
2413	58.7	+39 24	7.1	*7.22*		A . .
2415	58.8	+ 4 12	7.5	7.11	3272,3276	00,00
3300	58.8	− 7 8	7.2	7.46	2936,3294	06,*07*
2414	59.0	+38 47	6.2	6.00	3647,4380,4381	08,*11*,02
3093	59.0	−19 7	6.5	6.55	3288,3303,4016	*06*,*15*,21
7860	59.1	−32 54	7.3	7.27	3305,3307,3652	*07*,01,06
2418	59.2	+38 48	7.4	7.38	3643,3647	13,*12*
2102	59.2	+31 59	6.8	7.32	3643,3647	24,*25*
2401	59.2	− 0 44	8.0	6.79	2936,3294,4016	26,*18*,*09*
817	59.3	+65 21	7.1	7.22	3290,3295	*15*,15
2348	59.3	+13 12	6.5	*6.70*		. A .
2419	59.4	+38 58	7.5	7.56	3643,3647	11,*11*
6882	59.5	−39 46	7.5	7.37	3305,3307,3655	13,*10*,*03*
6924	59.6	−36 11	7.1	7.15	3283,3305,3655	*06*,03,02
3040	59.7	− 3 40	7.3	7.53	2936,3294	12,*12*
697	59.8	+66 25	7.0	7.67	3290,3295	00,00
3074	59.8	−22 14	8.0	8.08	3289,3315	*12*,13
8936	59.8	−30 17	7.3	7.87	2952,3305,3652	*28*,15,12
6886	59.8	−39 17	7.3	7.87	3305,3307,3655	11,16,*26*
2455	59.9	+ 7 53	5.2	4.62	3272,3300,4374,4383,4386	*18*,*07*,27,*02*,01
1793	0.0	+50 43	6.8	*7.07*		A . .
1414	0.1	+54 24	7.1	*7.76*		A . .
1463	0.1	+52 52	7.2	7.30	3650,3658	*05*,04
1892	0.1	+44 52	7.2	*7.45*		A . .
6954	0.2	−35 16	5.8	5.50	3288,3302,3305,3316,3320,3321,3681,3687,4005,4012,4014,4043,4417	15,*22*,*05*,08,03,02,*15*,34,*11*,*06*,*05*,05,T
7019	0.2	−37 10	7.7	8.19	3681,3687,4012,4012,4014,4014,4018,4018,4398,4398,4401,4401,4417,4417	*08*,*18*,*09*,06,13,20,*09*,*28*,*03*,10,13,*08*,07,13
2422	0.3	+38 57	6.8	*7.52*		A . .
8840	0.4	−29 54	7.3	7.44	3289,3316	06,*06*
8338	0.5	−26 45	4.8	*4.96*		. *14*,14
3190	0.6	−10 32	6.8	*6.06*		05, . *06*
1498	0.7	+56 36	7.5	7.48	3650,3658	00,01
8342	1.1	−26 45	6.4	5.63	3307,4363,4381	17,*10*,*07*
7027	1.1	−37 23	7.5	8.21	3283,3305,3655	07,04,*10*
2052	1.2	+44 39	7.5	*7.42*		A . .
2452	1.5	+18 16	6.5	6.59	3276,3300,4015	*12*,*11*,24
2290	1.5	+15 43	7.5	7.58	3276,3300	*11*,10
515	1.6	+72 28	7.0	6.87	3290,3295,4013	07,*04*,*04*
2282	1.6	+21 1	7.2	7.52	3641,3647	08,*09*
3348	1.6	−12 27	6.3	6.52	3288,3294,4017	*12*,*07*,18
3347	1.6	−20 38	7.0	*7.22*		A . .
2176	1.7	+26 4	7.2	*6.73*		. A .
2387	1.8	+ 2 30	6.0	5.63	3661,4383,4386,4388	09,*04*,*15*,10
8657	1.8	−28 11	6.9	*6.59*		. *05*,05
2250	2.0	+10 44	7.3	7.29	3276,3300,3659,3660,3661	25,*24*,02,03,*06*
8865	2.1	−30 1	6.9	6.83	2914,2956,3652,4012,4014,4016	19,*17*,08,*11*,14,*12*
325	2.2	+82 17	7.0	*7.06*		A . .
2284	2.2	+21 42	7.3	7.18	3641,3647	*09*,09
2358	2.2	+13 33	7.5	7.62	3276,3300	05,*04*
1466	2.3	+53 21	7.2	7.34	3650,3658	*06*,06
2318	2.3	+23 52	6.5	*6.38*		. 05,*06*
2344	2.4	+14 2	7.5	7.98	3276,3300	09,*10*
8776	2.4	−32 3	6.8	6.60	2914,2952,3652	*05*,*01*,05
161	2.5	+86 11	7.2	*7.17*		A . .
375	2.5	+78 19	6.5	7.38	3290,3295	*04*,05
2345	2.5	+14 23	7.0	*7.44*		A . .
7892	2.5	−33 1	7.3	7.81	3283,3305,3652	07,*01*,*06*
7873	2.6	−27 57	7.0	7.49	3289,3315	*01*,01
6343	2.7	−42 6	5.5	5.23	3288,3316,3661,3687,4014,4043,4381	16,14,*04*,*01*,01,*11*,*13*
1351	3.0	+59 45	7.3	*7.31*		A . .
2157	3.1	+36 31	7.4	7.30	3643,4013	05,*04*
2488	3.2	− 1 22	7.5	6.86	2936,3294,4017	*01*,*05*,06
8875	3.2	−29 38	6.7	6.60	3316,4363,4381	*09*,02,08
7043	3.2	−37 52	7.1	7.42	2914,2952,3655	04,*12*,09
632	3.3	+67 45	6.5	6.01	3290,3295,4380	*04*,06,*01*
1304	3.3	+58 24	7.0	7.21	3650,3658	05,*05*
2318	3.4	+17 45	6.8	6.86	3276,3300,4015	01,02,*03*
8877	3.4	−29 26	6.5	6.51	3316	A
1541	3.5	+51 55	7.2	7.12	3650,3658	*01*,02
2344	3.5	+25 12	6.0	*5.70*		. . A
834	3.6	+63 51	7.5	7.87	3290,3295	00,00
2111	3.7	+30 35	7.2	7.18	3647,3658	*04*,04
1223	3.8	+61 18	7.3	7.77	3290,3295	00,00
8882	3.8	−29 12	7.2	*7.20*		. 00,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2162	3.9	+36 51	5.9	5.95	3643,4013,4380	05,*04*,*01*
7886	3.9	−27 32	5.8	*5.46*		. *06*,07
1425	4.0	+54 38	7.1	*7.16*		A . .
1897	4.0	+45 2	3.5	3.15	3650,3658,4026	03,04,*07*
2083	4.0	+43 45	6.5	6.03	3650,3658,4026	*16*,08,08
3110	4.0	−18 52	6.3	6.72	3288,3302,4017	07,*08*,01
6957	4.0	−38 56	7.0	7.04	2914,2952,3655	11,01,*11*
2409	4.1	− 0 47	7.5	*6.75*		. A .
64	4.2	+88 11	7.5	*7.39*		A . .
3185	4.2	−19 58	7.5	*7.64*		A . .
2084	4.5	+33 4	7.5	7.26	3647,3658	*08*,09
2160	4.7	+35 52	7.5	7.66	3643,3647	*07*,06
1919	4.8	+48 20	7.1	7.24	3295,3650	*04*,05
2224	4.8	+16 26	7.0	7.38	3276,3300	*11*,10
2313	5.0	+23 14	7.5	7.24	3641,3647	*07*,08
8896	5.1	−29 15	7.0	6.92	2956,3289,4014	*14*,11,04
8816	5.1	−31 49	5.9	5.68	3316,3320,3661, 3681,3687,4005, 4012,4014,4016, 4380,4381,4389	02,07,*07*, 00,05,03, 15,08,*40*, 08,15,*10*
3317	5.2	− 6 50	7.0	6.79	2936,3294,4017	13,*10*,*02*
9567	5.2	−25 4	7.3	7.29	3289,3305	09,*09*
2307	5.4	+11 50	7.0	7.46	3300,3317	09,*10*
7908	5.4	−27 43	7.5	7.64	2956,3289	*17*,17
2326	5.6	+21 52	7.0	7.18	3641,3647	01,*01*
8500	5.6	−25 27	7.5	7.29	2956,3289	*07*,07
1426	5.7	+54 41	7.0	6.64	4026,4027	*20*,20
602	5.8	+68 50	6.2	6.26	3288,3290,4380	*09*,01,07
1353	5.8	+59 27	7.0	*7.31*		A . .
3362	5.8	−12 35	7.5	7.68	3288,3294	02,*03*
3022	6.1	− 4 47	7.5	*8.20*		A . .
2089	6.2	+43 23	7.5	7.33	3295,3650	07,*07*
2301	6.5	+14 56	6.8	6.32	3276,3317,4383, 4386	*15*,*24*,09, 30
2219	6.6	+35 33	7.5	7.86	3643,3647	14,*14*
3095	6.7	−22 17	4.8	*4.50*		. *13*,13
2167	6.8	+37 26	7.3	7.56	3643,3647	05,*05*
635	6.9	+67 52	6.5	6.74	3288,3290,4013	*07*,13,*06*
1446	6.9	+55 26	6.7	6.56	4026,4027	02,*03*
3198	6.9	−19 37	7.5	7.88	3288,3294	*09*,08
1309	7.0	+56 56	7.3	7.80	3295,3650	10,*10*
2221	7.0	+35 19	7.2	7.17	3643,3647	*09*,09
2162	7.1	+36 21	6.8	6.32	3643,3647,4015	17,*11*,*05*
8519	7.1	−25 35	7.8	6.98	2956,3289,4014	*06*,08,*01*
8412	7.1	−26 16	6.9	6.54	3289,3305,4014	12,*16*,05
3101	7.2	− 8 57	7.5	7.52	2936,3294	16,*15*
8847	7.4	−31 53	6.7	6.64	2914,2921,3272, 3276,3652	21,*14*,*09*, *02*,06
3321	7.5	−17 57	5.8	6.00	3294,3302,3659, 3660,3661,3665	14,*19*,02, 28,*24*
8911	7.5	−29 14	7.4	7.21	2956,2956	10,*10*
3374	7.6	−21 12	6.5	6.64	3289,3305	05,*04*
1992	7.7	+27 36	7.5	7.83	3641,3647	09,*09*
3028	7.7	− 4 35	7.2	7.90	2936,3294	*08*,09
1508	7.8	+55 56	7.5	7.48	3295,3650	12,*11*
3321	7.8	−13 23	7.2	7.05	3288,3294	*07*,*07*
1993	7.9	+27 43	7.5	7.78	3641,3647	*01*,01
947	8.0	+62 48	7.5	7.77	3288,3290	*10*,10
2206	8.0	+33 59	6.8	6.78	4015,4017	13,*13*
3051	8.0	−12 15	7.2	7.28	3288,3294	*08*,07
2170	8.1	+41 38	6.2	6.49	3650,3658,3659	03,*07*,03
2333	8.1	+10 59	7.5	7.40	3300,3317	15,*14*
1803	8.2	+50 25	7.2	7.42	3650,3658	*06*,06
526	8.4	+72 33	7.0	7.34	3288,3290	11,*10*
2572	8.5	+20 41	7.5	6.94	3641,3659,4015	*15*,11,05
2030	8.6	+49 18	7.5	*8.32*		A . .
456	8.7	+74 1	6.5	*7.18*		A . .
2761	8.7	+ 0 29	5.3	*5.32*		. . A
3098	8.7	−22 27	7.3	7.28	2957,3289	*07*,06
1479	8.8	+53 29	7.2	7.34	3650,3658	*08*,09
2298	8.8	+21 4	2.3	2.53	3647,3658,3660, 3661,3665,3666, 4383,4383,4386, 4386,4387,4387, 4388	*13*,*30*,18, 02,14,22, 09,*09*,*11*, 02,15,*19*, 04
2476	8.8	+ 8 37	7.0	5.82	4015,4383,4386, 4388	*04*,18,*10*, *06*
2475	8.8	+ 2 49	7.2	6.79	3300,3317,4015	14,*15*,00
356	8.9	+78 51	7.2	7.08	3290,3295	*04*,05
2234	9.0	+15 59	3.3	*3.38*		. *07*,06
2068	9.2	+43 54	7.5	7.78	3650,3658	*05*,04
2184	9.2	+26 16	7.5	7.57	3641,3647	13,*13*
3197	9.2	− 7 47	7.2	7.38	2936,3294	00,*01*
3210	9.2	−16 20	7.5	7.22	3288,3294	03,*02*
1903	9.5	+45 36	7.5	7.54	3650,3658	*06*,07
2422	9.5	− 0 43	7.5	6.73	4017,4018	*03*,03
1360	9.8	+58 45	7.5	8.08	3650,3658	02,*03*
823	9.9	+65 27	7.0	7.07	3288,3290	00,00
1925	9.9	+48 2	7.0	7.38	3650,3658	*01*,02
2322	9.9	+23 39	5.0	4.88	3646,4380,4381	05,08,*12*
1979	10.0	+28 7	6.8	7.13	3641,3646	00,00
7964	10.2	−32 46	6.9	7.00	2914,2952,3652	11,*07*,*05*
1480	10.3	+53 19	6.5	6.31	3650,3658,4380	*07*,05,03
3141	10.3	−19 5	7.0	6.78	3294,3302,4017	18,*04*,*13*
3227	10.4	−11 2	7.2	7.29	3294,3302	06,*06*
7022	10.4	−38 56	6.9	6.79	2914,2921,3655	06,*04*,*03*
1318	10.5	+60 28	6.7	6.65	4013,4026	06,*06*
438	10.6	+74 53	7.4	*7.57*		A . .
2367	10.6	+13 51	5.4	5.50	3317,4383,4386, 4386,4388	*12*,*14*,22, *01*,03

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
3063	10.7	−12 3	6.5	6.66	3294,3302,4017	*01*,*13*,14
2378	10.8	+13 9	7.0	6.73	3300,3317,4015	05,*05*,00
2379	10.8	+13 24	6.7	6.54	3300,3317,4015	*06*,*16*,21
3104	10.8	−22 22	7.1	7.20	2957,3289	04,*04*
3247	10.9	−10 5	7.5	*7.66*		▲ . .
3119	11.0	− 8 21	7.5	7.48	2936,3294	10,*11*
1807	11.1	+50 1	6.0	5.88	3650,4380,4386	*17*,16,00
3312	11.1	− 2 55	7.7	7.28	2936,3294	07,*07*
7976	11.1	−32 10	7.5	8.56	3305,3307,3315,	*11*,27,*24*,
					4014,4016,4018	15,*17*,09
7027	11.1	−38 47	7.3	7.28	2914,2921,3655	12,*08*,*04*
2191	11.4	+42 16	7.4	7.82	3650,3658	*09*,09
3085	11.5	− 3 25	7.0	6.80	2936,4017	05,*04*
7605	11.5	−34 7	6.9	6.77	2914,2952,2957	18,*03*,*15*
1235	11.6	+60 49	6.5	6.74	3288,3290,4013	03,03,*06*
3315	11.6	− 3 6	4.9	4.58	3294,4017	13,*14*
7968	11.6	−27 35	7.5	7.36	3289,3305	05,*04*
1928	11.8	+48 29	7.5	7.80	3650,3658	*02*,03
3344	11.9	− 6 35	6.5	5.98	3302,3303,3659,	*30*,04,19,
					3660,3661	08,*02*
8462	11.9	−26 41	7.5	7.24	3289,3305	*01*,01
2409	12.1	+ 2 34	5.5	5.43	3320,3324,4386	11,*26*,16
7339	12.1	−34 23	7.1	7.00	2914,2956,3655	*17*,*20*,36
7142	12.1	−37 51	7.1	6.85	2914,2921,3655	11,*17*,05
1983	12.4	+27 54	6.5	*6.80*		. . A
2189	12.4	+26 1	7.3	7.30	3646,3647	*05*,06
2362	12.4	+25 37	7.5	7.84	3646,3647	02,*01*
7146	12.4	−37 28	6.6	6.21	2914,2921,3655	09,13,*21*
691	12.7	+67 13	6.8	7.12	3288,3290	*15*,15
1511	12.8	+56 44	7.1	7.55	3650,3658	*09*,09
2096	12.8	+33 38	8.7	8.61	4383,4383,4386,	*12*,*17*,07,
					4386,4387,4387	09,*20*,33
2343	12.8	+22 44	6.9	6.96	3646,3647,4015	*08*,*07*,14
3280	12.8	−21 36	7.2	7.66	3289,3307,3660,	00,*25*,*16*,
					3661,3666,4012,	*04*,09,13,
					4012,4014,4014,	04,18,01,
					4018,4018,4049,	23,*18*,04,
					4049	*08*
7996	12.8	−32 59	7.0	6.88	2914,2957,3652,	*07*,04,03,
					3665	01
7345	12.8	−34 11	6.7	6.52	2914,2952,3655	*07*,*18*,26
2132	12.9	+32 6	3.7	*3.93*		. . A
7111	12.9	−35 59	7.0	6.72	2921,2952,3655	08,*07*,*01*
2102	13.0	+42 51	6.8	7.04	3650,3658	02,*02*
1172	13.1	+62 43	7.3	7.02	3288,3290	*05*,05
2098	13.1	+33 38	3.4	*3.68*		. 02,*03*
2319	13.2	+12 32	7.0	6.50	3300,3317,4015	*05*,06,*01*
3049	13.2	− 4 31	7.2	7.34	3294,3302	15,*16*
8908	13.3	−31 12	7.4	7.41	2914,2956,3665	07,*01*,*05*
2175	13.4	+36 2	7.0	6.94	3643,3646,4015	*01*,*08*,10

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
568	13.6	+71 29	7.5	8.17	3290,3295	*10*,10
9863	13.6	−23 48	6.9	6.73	2956,3289,4014	05,*02*,*03*
2225	13.7	+38 44	4.8	4.72	3321,3643,4380	*12*,10,01
2321	13.7	+14 49	7.4	6.61	4015,4017	08,*08*
2411	13.8	+ 2 12	6.5	*6.02*		. 02,*03*
2374	14.0	+13 56	7.0	7.08	3300,3317	00,00
2228	14.3	+38 38	7.5	7.16	3321,3643	*06*,07
2304	14.3	+21 16	6.8	7.56	3321,3646	*08*,08
2428	14.3	− 1 6	7.0	6.59	3294,3302,4017	02,01,*03*
3345	14.3	−14 14	3.8	3.73	3303,4388,4420	*02*,*04*,07
7034	14.4	−39 57	7.3	7.11	2914,2921,3655	19,*15*,*04*
692	14.8	+67 38	6.2	6.24	3288,3290,4380	03,03,*05*
2137	14.8	+30 40	7.0	7.42	3643,3646	08,*08*
2147	14.8	+28 52	7.5	7.94	3321,3646	*04*,03
1912	15.0	+45 32	6.8	6.70	4026,4027	*09*,09
2475	15.2	+17 52	7.2	6.87	3300,3317,4015	01,*09*,08
3154	15.2	−19 2	7.5	7.50	3294,3302	06,*06*
1558	15.4	+52 18	7.2	7.18	3650,3658,4380	05,13,*17*
8013	15.4	−27 47	7.1	6.73	2956,3289,4014	*06*,*12*,19
3265	15.5	− 9 45	6.3	6.68	4017,4018	04,*04*
7145	15.9	−35 10	7.5	7.45	3307,3315,3655	*10*,03,08
385	16.0	+77 56	6.8	7.54	3290,3295	00,*01*
2437	16.0	+ 6 35	4.3	4.17	3300,3320,4383,	11,06,*09*,
					4386	*07*
1316	16.1	+57 37	6.5	6.32	3650,3658,4026	*15*,15,01
218	16.2	+41 0	7.2	7.10	3650,3658,4026	*16*,*06*,21
2440	16.3	+ 7 11	7.5	6.57	3300,3317,4015	*22*,*01*,24
7389	16.3	−34 58	7.3	7.31	3307,3315,3655,	06,*10*,*19*,
					3665,3665,3672,	03,*05*,*11*,
					3681,4012,4012,	03,14,13,
					4014,4014,4018,	08,09,*21*,
					4018,4049,4049	*04*,08,04
2482	16.7	+ 9 43	7.4	6.68	4015,4017	12,*13*
3292	16.8	−21 33	7.0	7.30	3289,3307,3665	*04*,21,*18*
828	16.9	+64 53	6.0	5.96	3272,3276,3288,	12,01,*19*,
					3289,3290,3294,	01,11,*08*,
					3295,3295,3302,	11,21,22,
					3303,3304,3310,	00,31,*23*,
					3320,3321,3324,	08,01,*11*,
					3330,3641,3643,	31,07,*10*,
					3652,3658,3659,	22,*02*,04,
					3660,3661,3665,	05,12,12,
					3672,3677,3681,	*02*,07,*01*,
					3687,3692,3998,	*17*,*14*,*02*,
					4005,4013,4015,	*05*,05,*21*,
					4017,4018,4026,	*10*,*07*,*25*,
					4043,4044,4045,	*06*,*17*,*15*,
					4051,4363,4366,	03,19,*18*,
					4380,4381,4387,	09,07,*02*,
					4388,4389,4396,	03,*23*,*20*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					4398,4401,4406,	09,*01*,*13*,	*2335*	19.8	+11 59	6.1	6.06	4015,4383,4386,	07,*03*,15,
					4417,4424	10,26						4388	*19*
8041	17.0	−32 45	7.1	7.82	3315,3665,3665,	04,*06*,05,	3136	19.8	−22 17	7.7	7.18	3315,3316	13,*13*
					3672,3681,4012,	*08*,20,04,	2153	19.9	+30 19	7.4	7.54	3321,3643	*14*,14
					4012,4014,4014,	*09*,18,04,	2521	19.9	− 1 39	7.2	6.66	3294,3302,3659,	*05*,04,08,
					4018,4018,4049,	02,*22*,18,						3660,3661,4017,	*15*,03,18,
					4049,4388,4388,	*02*,08,*16*,						4018,4026	*14*,02
					4398,4398,4401,	02,*07*,*08*,	*3244*	19.9	−17 8	4.2	4.02	3661,4018,4388	*08*,12,*05*
					4401	*08*	698	20.1	+67 18	7.5	7.77	3288,3290	00,00
2242	17.2	+35 34	7.5	7.60	3321,3643	*10*,11	*3372*	20.2	−18 3	7.2	7.07	3294,3302	01,*01*
2421	17.3	+40 44	6.5	6.54	4015,4017	07,*07*	1563	20.3	+52 39	7.2	7.22	3295,3650	18,*18*
2481	17.3	+17 59	6.7	7.04	3300,3317,4015	04,*26*,23	2154	20.3	+30 32	6.5	6.86	4015,4017	03,*03*
2083	17.4	+44 2	5.3	5.12	3650,3658,4380	12,*17*,05	1518	20.4	+56 24	6.2	5.87	3650,4026,4380	*01*,06,*04*
3154	17.5	− 8 17	6.5	6.74	3294,3302,4017	03,*08*,05	2188	20.4	+41 29	7.5	7.92	3295,3650	08,*09*
8632	17.5	−25 48	6.9	8.46	3315,4016,4383,	43, R ,*42*,	2356	20.4	+17 1	6.0	*5.71*		. *10*,10
					4387,4387	*11*,10	2021	20.5	+27 19	7.0	7.15	3321,3646	05,*05*
7092	17.6	−38 33	7.1	7.28	3307,3315,3655	*04*,*02*,07	*2461*	20.5	+ 3 51	7.3	*6.70*		. A .
3250	17.9	−20 4	7.3	*7.58*		A . .	7189	20.6	−35 31	5.7	5.40	3302,3303,3307,	*04*,*16*,13,
2443	18.1	+ 7 8	7.5	7.04	3300,3317,4015	01,*18*,16						3315,3323,3646,	05,*03*,05,
8825	18.1	−28 21	7.3	7.36	2956,3289	*12*,12						3652,3665,4005,	11,*16*,01,
2782	18.2	+ 0 41	6.2	*6.26*		*02*, . 03						4016,4017,4380,	*05*,17,*02*,
1561	18.3	+52 35	7.3	7.92	3295,3650	08,*08*						4381,4389,4396	*02*,02,*03*
3129	18.3	−23 9	7.3	7.21	3289,3315	13,*13*	2463	20.7	+ 4 25	7.0	*6.36*		. *16*,16
3367	18.4	−18 14	5.3	5.19	3660,3661,3665,	*10*,*12*,*03*,	3365	20.7	−13 59	7.2	7.36	3302,3303	05,*05*
					3666,4012,4012,	11,10,00,	7235	20.7	−37 12	6.5	6.10	2921,2952,3652	*03*,*10*,12
					4014,4014,4018,	*02*,20,*26*,	2349	20.9	+23 16	7.0	7.22	3321,3646	*04*,03
					4018,4049,4049,	11,11,05,	*3423*	20.9	−13 12	7.0	7.01	3302,3303	00,00
					4388,4388,4389,	*03*,*11*,01,	2222	21.0	+34 0	6.8	6.06	4015,4017	19,*20*
					4389,4396,4396,	*06*,04,*02*,	*3265*	21.0	−20 2	7.0	6.72	4018,4026	*06*,06
					4398,4398	*16*,12	2494	21.1	+ 9 12	7.0	*6.82*		A . .
7163	18.4	−35 37	5.7	5.22	3303,3646,3655,	*28*,*16*,09,	3283	21.2	− 9 20	7.3	7.72	3294,3303	15,*14*
					3665,3687,4005,	00,01,06,	2318	21.3	+21 2	7.5	7.66	3321,3646	*08*,09
					4012,4012,4014,	*14*,07,*06*,	8666	21.3	−25 43	8.4	8.97	4026,4026	*18*,18
					4016,4017,4380,	*21*,35,12,	3420	21.5	−20 48	7.0	6.79	3315,3316,4018	05,*11*,07
					4381,4389,4396	*01*,17,00	*2160*	21.6	+28 59	7.2	7.50	3646,3647	10,*10*
2234	18.5	+37 46	6.8	6.88	3321,3643,4015	*08*,05,02	2502	21.7	+ 3 33	7.5	*6.28*		. . A
2351	18.5	+17 42	7.2	7.03	3300,3317	05,*05*	2362	21.8	+22 25	7.5	7.60	3321,3646	*02*,03
2348	18.7	+11 5	4.1	*4.06*		. *13*,12	2376	21.9	+25 35	7.3	7.60	3646,3647	09,*10*
2418	18.9	+ 1 58	6.0	*5.54*		. *03*,03	3178	22.0	−18 39	6.9	7.37	3302,3303	07,*07*
8525	18.9	−26 24	7.4	7.53	3307,3315	*03*,03	*1873*	22.2	+46 51	7.5	7.83	3650,3658	*10*,10
7172	18.9	−35 32	7.3	6.83	3307,3315,3655	00,12,*12*	3173	22.2	− 8 19	7.9	8.16	3660,3661,3665,	01,*04*,02,
1326	19.0	+60 12	7.5	*7.71*		A . .						3666,4017,4017,	09,00,29,
2050	19.0	+49 9	7.2	7.10	3295,3650	00,*01*						4018,4018,4026,	*04*,*16*,*05*,
2488	19.2	+17 53	7.5	7.50	3300,3659	*22*,22						4026,4049,4049	22,*19*,*21*
3275	19.3	− 5 21	7.0	7.08	4017,4018	00,00	3098	22.2	−11 48	6.0	6.07	3303,4383,4396	08,*10*,01
3300	19.4	−21 33	7.5	8.04	3289,3315	*18*,17	*3326*	22.2	−15 6	7.5	*7.71*		A . .
3260	19.6	−10 18	4.5	5.10	3302,4388,4396	*04*,*03*,07	2247	22.3	+38 29	7.0	7.20	3643,3647	07,*07*
7708	19.6	−33 44	7.3	7.45	3307,3315,3665	*01*,*05*,05	9978	22.3	−23 37	7.4	7.46	3316,3323	04,*03*
1663	19.7	+51 3	7.5	8.38	3295,3650	12,*11*	1924	22.4	+45 44	6.8	*7.17*		A . .
8843	19.7	−28 38	7.5	7.68	2956,3289	03,*03*	3386	22.4	−17 58	7.4	7.58	3302,3303,4012	03,01,*04*

11^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1926	22.5	+45 26	6.8	6.91	4026,4027	05,*05*
1927	22,5	+45 7	6.8	6.94	4026,4027	19,*20*
8682	22.6	−25 18	6.9	6.84	3289,3307,4018,4388	04,*19*,03,12
7118	22.6	−39 19	7.3	7.21	2921,2952,3652	*14*,*05*,19
2338	22.8	+12 32	7.0	*6.66*		. A .
2504	22.8	+ 3 24	5.0	*5.20*		. *07*,08
2442	22.8	− 1 9	7.1	6.28	3294,3308,4017	*07*,*02*,09
2607	23.0	+20 38	7.5	8.00	3321,3646	*12*,11
2443	23.0	− 0 21	7.7	*7.08*		A . .
7469	23.0	−35 0	7.5	7.80	3307,3323,3665	*03*,*05*,07
2096	23.1	+44 29	7.5	*7.62*		A . .
7471	23.1	−34 46	6.9	6.66	2952,2956,3316,3652	*08*,02,*05*,13
848	23.2	+64 7	7.5	7.62	3288,3290	*05*,05
3272	23.2	−15 20	7.0	*7.16*		A . .
644	23.3	+67 59	7.3	7.27	3288,3290	00,00
7197	23.3	−36 32	7.5	7.51	3307,3316,3652	03,*06*,04
1183	23.4	+62 19	6.4	*5.94*		. . A
9993	23.4	−23 16	7.5	7.51	3289,3315	03,*03*
701	23.5	+67 29	7.2	7.47	3288,3290	00,00
2119	23.5	+43 22	7.2	7.34	3295,3650	16,*17*
2196	23.6	+41 44	7.2	7.69	3295,3650,3658	*09*,*01*,11
2433	23.7	+39 54	5.0	5.34	3321,3643,4380	*04*,15,*12*
3316	23.8	−21 51	7.5	7.84	3289,3315	02,*03*
6565	23.8	−42 7	5.4	5.32	3302,3303,3305,3316,3323,3646,3661,4017,4044,4380,4381,4386	*22*,64,10,*15*,18,*43*,62, R ,*14*,*34*,19,*03*
3275	23.9	−16 3	7.5	7.53	3302,3303	05,*05*
2270	24.0	+30 58	7.0	7.10	3643,3647	06,*05*
1324	24.2	+57 17	6.5	6.15	3650,4026,4380	*20*,08,12
2444	24.3	− 0 18	7.9	*7.43*		A . .
183	24.4	+85 15	7.5	*7.35*		A . .
2266	24.5	+15 59	6.2	*5.97*		. . A
2512	24.5	+ 8 9	7.5	*6.72*		. A .
1468	24.6	+54 55	6.7	6.52	4026,4027	06,*07*
2385	24.6	+25 30	7.5	7.88	3321,3646	*08*,09
3298	24.6	− 9 31	7.0	7.12	3294,3303	*05*,06
10009	24.6	−23 55	6.0	5.71	3289,4383,4387,4388	*10*,20,*20*,09
8121	24.6	−27 29	7.0	6.79	2956,2957,4018	*02*,15,*12*
9773	24.7	−24 27	7.2	7.33	2956,2957	*15*,15
2163	24.8	+30 32	6.8	6.74	4017,4026	*13*,13
7284	24.8	−37 54	7.2	6.80	2921,2952,3652	*02*,*10*,11
373	24.9	+81 41	6.2	*6.14*		*07*, . 06
2250	24.9	+38 29	7.2	7.28	3643,3647	08,*07*
2222	24.9	+25 52	7.5	7.68	3321,3646	*08*,07
2061	25.0	+49 29	7.0	*7.07*		A . .
1880	25.0	+47 12	6.8	6.49	3650,3658,4026	12,07,*18*
1326	25.1	+57 17	7.2	6.96	3324,3650,4026	04,02,*07*
2122	25.1	+43 43	6.2	5.85	3324,3650,4380	*05*,00,04
2102	25.2	+44 7	6.7	6.91	4026,4027	09,*09*
3360	25.2	− 2 27	5.0	5.13	3294,4017	*12*,12
2459	25.3	+18 58	5.7	*5.77*		. . A
8714	25.3	−25 15	6.9	6.65	2956,2957,4018	10,*01*,*09*
2214	25.4	+41 51	6.8	6.99	3295,3324,4026	11,*19*,07
665	25.5	+69 53	3.3	4.04	3272,3276,3283,3288,3289,3290,3290,3294,3302,3304,3307,3310,3316,3320,3321,3324,3330,3643,3646,3647,3652,3658,3660,3661,3666,3677,3680,3681,3687,3693,4005,4012,4015,4016,4017,4018,4043,4044,4049,4051,4366,4380,4381,4387,4388,4389,4396,4398,4401,4406,4417,4420,4424	14,13,*06*,03,*07*,03,33,04,*06*,*27*,*27*,19,13,*20*,03,01,03,29,14,*06*,23,05,07,*19*,27,*04*,19,*25*,*11*,19,15,*16*,41,*07*,*23*,15,*18*,06,*33*,*28*,*03*,22,05,*09*,*02*,15,15,*16*,*24*,12,02,*26*,*14*
1952	25.5	+48 29	6.5	6.38	3650,3658,4026	*14*,09,06
2176	25.6	+29 0	6.8	7.04	4017,4026	*06*,05
3442	25.6	−12 30	7.2	6.99	3302,3303,4017	04,*14*,09
1330	25.7	+60 15	6.8	6.96	4026,4027	*04*,04
2062	25.7	+49 20	6.5	6.48	4026,4027	*01*,02
2123	25.8	+32 51	7.0	7.30	3643,3647	09,*09*
7176	25.8	−38 41	7.1	7.12	2921,2952,3652	*14*,*14*,29
1327	25.9	+57 42	7.2	7.84	3650,3658	02,*01*
2358	26.2	+23 23	7.5	7.78	3321,3330	*10*,09
2274	26.4	+31 31	7.5	7.94	3321,3643,3647	*04*,07,*02*
2505	26.4	+18 19	7.4	6.99	3300,3320,4015	*01*,*04*,05
2216	26.5	+42 1	7.5	7.35	3295,3324	15,*15*
2388	26.6	+24 52	7.1	*7.18*		A . .
2345	26.6	+14 55	6.4	*6.18*		16, . *17*
1246	26.7	+61 38	6.0	*5.38*		. . A
3285	26.8	−20 13	6.3	*6.26*		*13*, . 12
2192	26.9	+36 47	6.5	6.56	3643,3647,4017	16,15,*32*
3307	26.9	− 5 55	6.5	6.82	4017,4018	*02*,01
2179	27.1	+29 37	7.5	*7.81*		A . .
3116	27.2	−11 50	7.4	7.49	3302,3303	04,*04*
8928	27.3	−28 43	5.2	5.02	3316,4383,4388	*09*,02,06
8620	27.4	−26 11	6.6	6.51	4018,4383,4387,4388	*16*,15,*04*,06
8931	27.5	−28 35	7.5	7.58	2956,2957	03,*02*
2507	27.7	+18 34	7.5	7.26	3300,3320	02,*01*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3250	27.7	− 7 16	6.3	6.17	3294,3303,4017	02,*05*,03
3186	27.7	− 8 24	8.2	8.52	4014,4014,4015,4015	*13*,09,*05*,11
3162	27.9	−22 53	7.5	7.32	2957,3289	*01*,02
7168	27.9	−39 53	6.2	5.83	3283,3302,3303,3323,3646,3661,4012,4016,4044,4380,4381,4386,4396	*08*,00,42,40,*14*,*21*,10,01,*19*,*13*,*09*,*02*,*07*
9303	28.0	−30 33	5.8	5.31	3315,3661,3666,4005,4016,4017,4389	*03*,02,*14*,*13*,08,31,*07*
7280	28.0	−35 39	6.9	6.76	2914,2921,3652	00,00,*01*
9083	28.1	−31 18	3.7	3.77	3666,4017,4044,4383,4387,4389	R,21,10,*17*,*25*,10
3295	28.2	−15 43	6.2	6.06	3302,3660,3661,3665,3666,4014,4014,4015,4015,4017,4017,4049,4049,4383,4383,4387,4387,4388,4388	*28*,*11*,*07*,13,*01*,*13*,06,28,25,00,07,03,*22*,R,R,01,02,*06*,*03*
170	28.3	+86 10	7.0	*7.37*		A . .
724	28.4	+65 48	7.2	7.22	3288,3290	05,*05*
2618	28.4	+20 15	7.5	*7.22*		A . .
2519	28.5	+ 3 4	7.2	6.74	3300,3320,4015	*11*,*10*,20
2195	28.6	+37 23	7.2	6.33	3643,3647,4017	22,*07*,*16*
7175	28.7	−40 2	5.7	5.45	3283,3303,3305,3646,3661,4017,4044,4380,4386,4396,4401	*03*,56,20,*05*,*22*,*19*,03,*11*,*04*,*20*,10
2372	29.0	+11 35	6.7	6.50	3320,4383,4386,4388	00,*02*,01,03
3297	29.1	−15 29	6.8	*7.21*		A . .
2521	29.3	+ 3 37	6.2	5.74	3300,4383,4386,4388	*01*,*03*,*03*,05
3096	29.3	− 4 58	7.0	6.56	4017,4018	06,*05*
2374	29.5	+17 21	5.7	*5.81*		. . A
1473	29.6	+55 20	6.0	5.68	3295,3327,3650,4027	12,*13*,*02*,04
8179	29.6	−32 18	6.2	6.04	3283,3646,3652,3661,4044,4045,4051,4380,4383,4386,4387,4387,4389,4389,4401	17,05,*08*,*08*,16,*05*,*18*,*22*,R,22,09,*02*,*16*,11,06
669	29.8	+70 8	7.3	*7.49*		A . .
2279	29.8	+31 3	7.3	7.42	3321,3643	*12*,11
2331	29.9	+20 59	6.5	6.44	3321,3330,4017	*16*,23,*08*
3144	29.9	− 3 48	6.5	6.58	3294,3303,4018	13,*12*,00
3129	29.9	−11 32	7.3	7.39	3302,3303	04,*04*
1450	30.0	+54 8	7.5	7.90	3295,3650	10,*09*
9194	30.0	−29 28	7.2	7.28	2957,3289	*15*,15
9322	30.1	−30 10	7.5	7.22	2914,2956,3652	10,*16*,06
670	30.2	+69 53	5.2	*5.28*		06, . *07*
2376	30.3	+11 44	6.7	6.69	3300,3320,4015	*14*,11,03
7555	30.3	−35 3	7.0	6.83	2957,3305,3652	01,15,*17*
2510	30.4	+18 26	7.5	7.26	3300,3320	*18*,19
2377	30.5	+11 28	6.8	6.54	4015,4383,4386,4388	13,03,*16*,02
3132	30.5	−11 51	7.5	6.99	3302,3303,4018	04,*04*,01
2022	31.0	+28 20	6.0	5.76	3321,3330,3646,3647	*06*,04,10,*07*
2501	31.1	+ 3 51	7.5	*7.20*		. A .
1529	31.2	+56 43	7.2	7.40	3295,3324	10,*10*
2394	31.3	+25 35	6.8	*7.06*		A . .
392	31.4	+78 9	6.2	6.71	3290,3295,3658	*07*,12,*05*
2470	31.5	+ 6 40	7.4	7.04	3300,3320,4015	*19*,06,12
3290	31.5	−16 18	7.0	6.99	3302,3303,4018	*01*,*21*,21
3201	31.6	− 8 45	7.0	7.32	3294,3303	05,*04*
3202	31.6	− 9 15	4.4	4.61	3294,3303,4388	16,*13*,*03*
8199	31.6	−33 1	6.2	5.81	3661,4044,4045,4051,4380,4386,4389,4396	*06*,*12*,*01*,09,04,*05*,04,10
7324	31.6	−35 34	7.0	6.81	2921,2957,3655	15,*03*,*13*
10078	31.7	−23 53	7.2	7.15	2957,3305	03,*03*
7845	31.7	−34 6	7.1	7.55	3305,3307,3652	17,*23*,07
7291	31.7	−36 41	6.6	6.18	2957,3305,3655	06,14,*19*
1677	31.8	+51 42	7.3	7.80	3324,3327	10,*10*
2458	31.8	− 0 16	4.7	*4.49*		*11*, . 11
1190	31.9	+62 44	7.0	7.47	3288,3290	*10*,10
3179	32.0	−22 23	6.7	6.67	2957,3305,4018	07,*09*,01
8202	32.0	−32 26	6.7	6.43	3283,3307,4387	*02*,08,*07*
7230	32.0	−38 24	7.0	6.84	2956,2957,3655	14,*08*,*06*
972	32.1	+63 15	7.0	7.32	3290,3295	*15*,15
7231	32.1	−38 26	7.7	7.35	2956,2957,3655	21,*23*,01
1943	32.2	+45 17	6.5	6.54	4026,4027	20,*19*
2465	32.2	+ 6 50	7.5	7.02	3300,3320	03,*02*
3138	32.3	−11 47	7.5	7.19	3302,3303	04,*04*
1679	32.4	+51 10	6.0	6.13	3310,3327,4380	07,*13*,07
7297	32.5	−36 10	7.3	7.52	3307,3323,3323,3655,3672,4018	17,07,07,*10*,01,*19*
7237	32.6	−38 48	7.1	6.89	2956,2957,3655	01,06,*07*
2384	32.7	+22 18	7.0	7.78	3321,3330	*20*,19
2436	32.8	+13 31	7.0	7.62	3300,3320	*04*,03
9349	32.8	−30 39	7.1	7.12	2956,2957,3652	11,*06*,*05*
2169	32.9	+32 27	7.5	7.13	3643,3646,3647	04,12,*16*
8213	32.9	−27 42	7.3	7.96	3289,3305	15,*14*
2110	33.0	+44 10	6.0	*5.56*		. . A
2385	33.0	+22 25	7.3	8.18	3321,3330	*10*,09
2523	33.0	+ 9 26	6.8	*6.55*		. A .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3424	33.1	−17 39	7.0	7.20	3302,3303	06,*06*
7308	33.1	−36 15	9.4	9.29	2957,3652,4018,4018,4398,4398,4401,4401,4417,4417	R, R,*23*,*21*,24,*12*,02,22,07,01
1894	33.2	+47 23	6.1	*6.30*		. . A
8214	33.2	−27 44	7.5	7.62	3289,3305	09,*10*
843	33.3	+64 53	6.7	6.39	3295,4380,4387	18,*16*,*02*
2242	33.3	+34 12	6.3	6.30	4017,4026	*08*,07
2532	33.3	+ 8 42	6.1	*5.45*		. . A
2546	33.3	− 1 53	6.7	6.25	3294,3303,4018	16,*09*,*07*
1947	33.5	+45 40	6.5	6.32	4026,4027	*08*,07
2460	33.5	+39 45	7.0	*7.42*		A . .
2374	33.5	+23 53	7.0	7.58	3321,3330	*10*,09
2218	33.6	+40 48	7.0	7.60	3310,3324	00,00
3466	33.6	−12 39	5.2	5.48	3302,4018	*05*,04
7224	33.8	−39 45	7.1	7.00	2956,2957,3652	03,*16*,12
3471	33.9	−20 37	7.5	*7.72*		A . .
9867	34.0	−24 9	6.5	6.39	3305,3315,4018	*07*,06,01
7229	34.0	−39 18	7.5	7.78	3307,3323,3652	*05*,01,03
2483	34.4	+19 33	7.5	*7.05*		A . .
9870	34.4	−24 20	7.6	7.58	3305,3315	04,*03*
3470	34.5	−12 37	7.0	6.80	3302,3303,4018	03,*05*,01
7316	34.5	−36 52	7.5	7.53	3307,3323,3652	*11*,05,06
3211	34.6	− 8 55	7.2	7.48	3294,3303	*01*,00
974	34.8	+62 57	6.8	7.02	3290,3295	*15*,15
3420	34.8	−18 55	6.5	*6.39*		. . A
3323	34.8	−16 4	6.8	6.50	4018,4026	02,*02*
8226	34.9	−32 58	7.2	7.07	2956,2957,3652	05,*05*,01
1331	35.0	+58 31	6.3	6.10	3310,3324,4026	*10*,10,*01*
2243	35.0	+26 42	7.3	8.05	3321,3330	05,*05*
2378	35.0	+24 16	6.9	6.83	4017,4026	*01*,01
7399	35.0	−37 38	6.9	6.58	2956,2957,3652,3655.3665	*08*,12,09,*04*,*08*
2244	35.1	+26 20	7.4	8.00	3321,3330	00,00
8237	35.2	−27 56	7.3	7.24	3289,3305	*06*,06
7610	35.2	−34 11	4.9	4.70	3283,3647,3650,3652,3655,3665,3672,3681,3692,4018,4045,4051,4386,4389,4401,4420	02,13,*08*,00,00,*08*,*05*,00,*12*,00,13,*03*,*04*, R,08,10
1339	35.3	+60 39	7.5	7.79	3310,3324	14,*14*
2597	35.3	+ 1 31	7.3	6.83	3300,3320,4015	*20*,*09*,30
7264	35.3	−38 35	7.3	7.56	2956,2957,3652	00,06,*05*
3271	35.5	− 7 51	7.0	7.42	3294,3303	15,*14*
1258	35.6	+61 24	6.8	7.17	3290,3295	00,00
2391	35.6	+21 54	5.5	5.41	3321,3330,3647,4017	*03*,*04*,*01*,07
2270	35.7	+34 46	5.1	*5.28*		04, . *05*
2821	35.8	− 0 7	7.2	7.18	3294,3303	03,*02*
3342	35.8	− 9 22	7.3	7.42	3294,3303	*05*,06
2115	36.0	+44 34	7.5	*7.77*		A . .
3304	36.1	−17 9	7.0	7.05	3302,3303	01,*01*
9027	36.1	−28 39	6.7	*6.51*		. *08*,08
1481	36.4	+55 43	6.5	6.40	4026,4027	01,*01*
2179	36.4	+32 18	6.0	5.79	3658,3659,4380	20,*16*,*05*
7619	36.4	−35 3	7.3	7.07	2956,2957,3652	11,*23*,11
R	36.4	−42 32	. .	5.68	3283,3305,3647,3650,3692,4051,4386,4401,4420	*25*,20,17,*30*,23,*06*,*06*,*07*,14
2236	36.5	+41 48	6.5	6.84	3310,3324,4026	16,*14*,*01*
3217	36.7	− 8 31	7.0	7.32	3294,3303	15,*14*
9181	36.8	−31 57	5.7	5.40	3307,3647,3650,3692,4018,4045,4051,4386,4389,4401,4420	03,02,*07*,*08*,*06*,13,*13*,05, R,01,06
714	36.9	+67 18	5.3	5.49	3283,3288,3290,3301,3302,3304,3305,3307,3315,3316,3320,3323,3327,3337,3646,3647,3650,3652,3659,3661,3666,3672,3677,3680,3692,4012,4014,4015,4016,4027,4044,4049,4053,4056,4366,4380,4383,4387,4388,4389,4396,4406,4417,4419,4420,4431,4432	*11*,*02*,*12*,*22*,09,*12*,18,*02*,*02*,*02*,*05*,*13*,*02*,16,04,*03*,*23*,30,25,*13*,21,04,18,00,*04*,01,*14*,*05*,22,*01*,*12*,*18*,*15*,*04*,*02*,04, R,13,00,19,07,*16*,*04*,*21*,*04*,07,17
2443	36.9	+12 51	7.0	7.12	3300,3320	*07*,08
2375	37.0	+22 46	6.5	6.50	3321,3330,4017	*22*,27,*04*
3308	37.0	−16 28	7.5	7.52	3302,3316	06,*06*
3326	37.0	−19 44	6.3	*6.30*		*06*, . 07
10122	37.0	−23 50	7.0	6.87	3305,3315,4018	*05*,*02*,08
2539	37.3	+ 2 55	7.5	6.96	3300,3320,4015	*13*,08,04
2492	37.5	+18 48	7.0	7.26	3300,3320	02,*01*
9044	37.5	−29 5	7.4	7.62	3289,3305	03,*04*
3399	37.7	− 2 59	7.2	7.35	3294,3316	06,*06*
3225	37.9	− 8 34	7.2	7.42	3294,3303	05,*04*
2033	38.2	+28 36	7.3	7.40	3321,3330	10,*10*
2241	38.3	+42 17	6.5	6.81	3310,3324,4026	09,*21*,13
2180	38.3	+32 19	7.2	6.84	3658,3659,4017	*06*,05,00
1506	38.4	+52 58	7.0	7.30	3310,3324	10,*10*
3329	38.4	−19 16	7.2	7.12	3302,3316	02,*02*
7371	38.4	−36 38	6.6	6.21	2956,3307,3652	00,03,*02*
1400	38.5	+58 58	7.5	7.90	3310,3324	00,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3388	38.5	−14 29	7.0	6.75	3302,3316,4018	06,*07*,00
2386	38.6	+24 33	7.0	*7.51*		A . .
3340	38.8	− 6 7	6.5	*6.23*		*04*, . 04
3492	38.8	−20 29	7.3	*7.28*		A . .
532	38.9	+73 42	6.8	7.24	3290,3295	*10*,09
2189	38.9	+30 8	7.5	*8.01*		A . .
3229	38.9	− 8 34	6.5	6.84	3294,3303,4388	03,*06*,03
9302	38.9	−29 11	7.0	6.84	2573,3289,3305,	*25*,11,14,
					4018,4026,4026,	18,06,*27*,
					4027	01
1961	39.0	+45 2	7.3	*7.77*		A . .
2191	39.0	+30 27	7.5	7.81	3658,3659	*02*,02
2466	39.1	+39 3	7.5	8.15	3658,3659	*07*,07
2250	39.1	+25 47	6.2	6.18	3321,3330,4380	02,*08*,05
3333	39.4	−20 8	7.2	6.80	4018,4387	*04*,05
674	39.5	+70 29	7.3	7.62	3290,3295	*05*,05
2206	39.6	+29 13	7.0	6.98	3321,3330,4017	*08*,02,06
3460	39.7	−17 48	5.0	4.82	3303,4018,4388	02,10,*11*
2374	40.0	+14 49	7.4	6.78	4015,4017,4388	01,05,*06*
2645	40.1	+20 28	7.5	7.42	3321,3330	*14*,15
2545	40.1	+ 8 49	5.0	4.81	3320,4386,4388	*01*,02,00
2039	40.3	+27 46	7.3	7.34	3330,3658	06,*05*
2216	40.4	+36 26	7.0	7.29	3658,3659,3660,	01,09,04,
					3661,3665,4026,	06,00,*03*,
					4026,4027,4027,	*09*,08,12,
					4036,4036,4049,	00,13,*39*,
					4049,4383,4383,	*29*, R, R,
					4386,4386,4387,	*02*,*03*,03,
					4387,4388,4388	05,11,07
7284	40.4	−39 57	7.1	7.08	2956,3327,3655	*18*,25,*08*
2479	40.7	+ 7 5	4.3	*4.18*		. 06,*07*
1693	40.8	+51 7	7.3	7.65	3310,3324	05,*05*
1966	40.8	+48 20	4.0	3.91	3304,3310,3380	*21*,19,02
2480	41.0	+ 7 44	7.5	7.08	3300,3320	*03*,02
1587	41.1	+52 29	7.5	7.63	3304,3310,3324	*13*,07,07
3410	41.2	− 2 27	7.3	7.68	3294,3303	13,*12*
9940	41.2	−24 19	7.5	7.63	3305,3315	09,*08*
7672	41.3	−34 11	7.5	7.50	3307,3316,3652,	02,*04*,08,
					3655	*05*
9943	41.4	−24 25	7.3	7.68	3305,3315	04,*03*
8294	41.4	−27 24	7.2	7.57	3289,3315	04,*04*
10162	41.5	−23 55	7.3	7.46	3305,3316	*04*,04
1544	41.6	+56 11	5.7	5.52	3304,3324,3650	*02*,18,*15*
3411	41.6	− 3 11	7.2	7.50	3294,3316	11,*11*
851	41.7	+64 57	7.1	*7.45*		A . .
1198	41.8	+61 58	6.5	6.64	3290,3295,4027	*07*,03,05
2394	41.8	+24 16	6.8	6.79	4017,4026	*06*,06
7301	41.8	−39 57	5.4	5.04	3283,3647,3650,	*09*,*01*,*09*,
					3652,3652,3692,	22,17,29,
					4015,4018,4045,	*13*,*24*,11,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4051,4053,4386,	*13*,*04*,*23*,
					4389,4420	R,15
2648	42.0	+19 52	7.5	*8.05*		A . .
7438	42.0	−35 21	6.6	6.48	2957,3307,3652	*17*,*03*,20
2418	42.1	+24 59	7.5	*7.96*		A . .
3471	42.3	−17 49	7.0	6.89	3302,3303,4018	17,*15*,*01*
8864	42.3	−25 24	7.5	7.18	3289,3316	10,*11*
9089	42.3	−28 56	8.2	7.96	3289,3315	*01*,01
9337	42.3	−29 43	6.8	6.59	3323,3315,4387	*03*,05,*01*
7958	42.4	−33 20	7.4	7.99	3307,3323,3652	*13*,01,13
1862	42.6	+50 23	7.0	7.00	3304,3310,3324	20,*10*,*10*
2046	42.7	+27 53	7.5	7.60	3321,3330	00,00
2358	42.8	+20 46	4.0	4.49	3659,4380,4386	*06*,*09*,14
2549	42.8	+ 8 48	6.0	5.15	3300,4386,4388	*10*,11,*02*
7692	43.0	−34 40	7.3	7.21	2957,3307,3652	*13*,29,*15*
3356	43.1	−16 0	7.3	7.78	3302,3303	10,*10*
3241	43.2	− 8 19	7.3	7.80	3294,3316	17,*16*
2214	43.3	+28 59	6.8	*7.21*		A . .
3366	43.3	− 9 45	6.7	6.28	4018,4026	09,*09*
3220	43.4	−22 32	7.1	7.45	3305,3316,3323	00,*13*,12
2216	43.5	+29 21	6.8	7.14	4017,4026	03,*03*
2381	43.5	+14 51	7.0	5.89	4015,4386,4388	09,*08*,00
3448	43.6	−13 47	7.0	6.92	3302,3303,4018	*01*,*11*,11
7454	43.6	−35 26	7.1	7.21	3307,3652,3665,	*18*,16,*12*,
					3672,3681,4018,	*06*,03,*45*,
					4018,4026,4026,	*30*,*49*,*03*,
					4027,4027,4049,	14,*03*,10,
					4049,4401,4401,	24,17,35,
					4417,4417,4424	13,29, R
662	43.7	+67 53	7.0	7.17	3290,3295	00,00
8789	43.7	−26 11	5.8	5.34	3289,3290,3294,	02,*10*,*11*,
					3660,3661,3665,	*05*,*04*,*05*,
					4015,4015,4018,	*12*,10,19,
					4018,4026,4026,	04,*06*,01,
					4049,4049	13,02
2296	43.8	+16 41	7.2	6.95	3300,3320,4015	*07*,00,07
3358	43.8	−16 3	7.5	7.68	3302,3303	00,00
2843	43.9	+ 0 14	6.5	6.20	4015,4017	03,*02*
2048	44.0	+28 41	7.2	7.45	3321,3330	05,*05*
2383	44.0	+15 8	2.0	2.16	3660,3661,3665,	*01*,*34*,30,
					4383,4383,4386,	R, R,*42*,
					4386,4387,4387,	*04*,16,22,
					4396,4396,4398	13,03,*04*
2545	44.0	+ 5 44	7.2	6.70	3300,3320,4015	05,00,*06*
3243	44.0	− 8 34	7.5	7.50	3294,3316	*03*,04
2402	44.1	+16 48	6.5	5.93	3300,3320,4015	*25*,12,14
3450	44.1	− 6 48	6.8	7.12	3294,3316	17,*16*
3456	44.2	− 6 20	7.5	7.38	3294,3316	01,*02*
2194	44.3	+30 3	7.5	*7.56*		A . .
2284	44.5	+35 29	5.3	5.83	3659,3660,3661,	05,*14*,*08*,

11^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
					3665,4015,4015,	*08*,18,14,
					4017,4017,4026,	*02*,02,09,
					4026,4049,4049	*10*,*10*,07
3501	44.7	−13 5	7.2	7.46	3302,3303	*15*,15
9279	44.7	−31 53	7.5	7.78	2957,3307,3652	01,*15*,13
1491	44.9	+54 49	6.8	6.81	4026,4027	*10*,10
2155	44.9	+43 17	7.3	8.20	3304,3310,3324	00,00,00
7328	44.9	−39 43	7.4	7.30	3307,3323,3655	*01*,21,*21*
1199	45.3	+61 55	7.5	8.32	3290,3295	*15*,15
3363	45.3	−15 18	6.2	6.33	3302,4388,4396	*15*,01,13
434	45.4	+75 54	7.3	*7.82*		A . .
2489	45.5	+ 2 20	3.3	*3.84*		. 05,*04*
1590	45.6	+51 58	7.3	7.70	3304,3310,3324	10,*10*,00
3247	45.6	− 8 51	7.8	7.75	3294,3317,3320,	02,*07*,04,
					3321	01
3505	45.6	−12 18	7.2	7.34	3302,3317	09,*08*
8807	45.6	−26 43	6.8	*6.56*		. 06,*07*
8354	45.7	−32 35	7.3	7.18	3307,3323,4018	*17*,09,07
2262	45.8	+34 10	7.1	7.20	3652,3658	04,*03*
2465	45.8	+12 50	6.2	*6.33*		. *02*,02
3152	45.9	− 4 46	6.0	5.87	3294,3317,4396	02,*07*,05
628	46.0	+69 24	7.0	*7.09*		A . .
2264	46.0	+33 56	6.2	6.13	3652,3658,4380	01,*03*,03
3249	46.0	− 8 43	7.5	7.52	3294,3317	05,*04*
3508	46.0	−12 46	7.1	7.21	3302,3303	20,*20*
3303	46.1	− 7 26	7.0	6.93	3294,3317,4018	*04*,07,*02*
8814	46.1	−26 31	7.3	7.22	3315,3665	04,*05*
R	46.1	−44 37	. .	4.79	3692,4015,4886,	*24*,01,24,
					4388	*02*
7460	46.2	−36 22	7.5	7.53	3307,3323,3655	23,*17*,*05*
2388	46.3	+12 22	7.2	7.12	3300,3320	03,*02*
3190	46.3	−11 38	6.3	6.22	3302,3303,4018	01,*07*,07
3522	46.5	−21 5	7.2	7.49	3305,3316	01,*01*
9506	46.6	−30 16	6.2	5.92	3315,3316,3647,	19,*14*,*04*,
					3665,4015,4018,	*06*,05,*27*,
					4045,4053,4063,	*10*,08,23,
					4386,4388,4389,	*13*,03, R,
					4417,4420,4424	05,*02*,13
7341	46.7	−39 45	7.4	7.59	3307,3323,3655	08,*12*,05
1201	46.8	+62 16	7.5	7.92	3290,3295	05,*05*
1871	47.0	+50 30	7.2	7.07	3304,3310,3324	13,*07*,*07*
3265	47.1	−18 39	7.5	7.17	3302,3303	*03*,03
2285	47.2	+38 26	6.5	*6.47*		. . A
2367	47.3	+20 58	7.0	7.28	3321,3330	00,*01*
2307	47.6	+16 0	7.0	6.73	3300,3320,4015	*05*,12,*06*
8018	47.8	−33 21	4.5	4.33	3647,3672,4014,	*01*,13,*08*,
					4015,4018,4053,	04,07,12,
					4063,4386,4388,	*02*,08,*03*,
					4417,4420	*19*,*08*
7519	47.8	−37 47	7.5	7.57	3307,3323,3655	*14*,26,*11*

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
475	47.9	+73 51	7.5	7.64	3290,3295	00,*01*
476	48.3	+74 19	6.7	6.86	4027,4036	01,*01*
7521	48.3	−36 1	6.9	6.57	2957,2963,3655	23,*08*,*16*
7760	48.4	−34 30	6.4	6.22	2957,2963,3655	16,*08*,*07*
2165	48.5	+43 29	7.5	7.90	3304,3310,3324	20,*10*,*10*
3376	48.5	−15 33	7.5	*7.50*		A . .
1475	48.6	+54 15	2.5	*2.53*		. . A
2268	48.6	+34 11	6.8	*7.12*		A . .
2244	48.7	+41 28	6.5	6.70	3304,3310,3324	00,10,*10*
2624	48.7	+ 1 7	6.8	6.40	3300,3320,4015	*17*,24,*07*
550	48.8	+72 28	7.1	7.54	3290,3295	00,*01*
3433	48.8	− 3 13	7.0	7.32	3294,3317	09,*10*
2539	49.0	+18 43	7.5	7.76	3300,3320	*18*,19
9530	49.2	−30 21	7.4	7.49	2957,2963,3655	01,12,*13*
2092	49.5	+49 28	7.5	*7.42*		A . .
7536	49.5	−37 11	6.9	6.48	2956,2957,3655	*03*,18,*14*
8930	49.7	−25 9	5.8	*5.46*		. *16*,17
1913	49.9	+47 2	7.3	*6.47*		. . A
2560	49.9	+ 9 0	5.5	5.68	3320,4386,4388	*08*,04,04
1914	50.0	+47 1	7.5	*6.87*		. . A
2230	50.0	+37 20	6.5	6.54	3652,3658,4017	01,*07*,05
2478	50.1	+39 19	6.5	*7.07*		A . .
666	50.3	+67 49	7.0	7.47	3290,3295	00,00
2270	50.3	+26 5	7.0	7.04	3321,3330,4017	*04*,*04*,09
2628	50.3	+ 1 39	7.8	7.09	3300,3301,3302	04,03,*06*
3162	50.3	− 4 34	7.0	7.10	3294,3317	*01*,00
2319	50.5	+16 12	6.0	5.48	3320,3321,4386	07,00,*07*
3242	50.5	−22 53	8.0	7.88	3305,3316	07,*06*
10041	50.5	−24 18	6.9	6.82	3305,3316,4018	00,*02*,01
8384	50.6	−27 55	6.5	6.11	3305,4387,4388	*01*,09,*08*
1343	50.7	+57 9	6.0	6.03	3304,3310,4380	07,*03*,*03*
2248	50.8	+41 12	6.9	6.97	3304,3310,3324	03,*17*,13
2223	50.8	+35 54	6.5	6.84	3652,3658,4017	*03*,*03*,05
3358	50.9	−16 35	5.4	5.25	3303,4396,4398	*17*,14,02
7410	50.9	−39 8	6.7	6.32	2956,2957,3655	02,06,*08*
2225	51.1	+36 1	6.6	6.55	3652,3658,4017	*07*,11,*03*
2234	51.1	+29 25	7.0	*7.46*		A . .
2070	51.2	+27 15	6.8	6.87	3330,3658,4017	*07*,*08*,14
1346	51.3	+58 25	7.5	8.10	3304,3324	00,00
2256	51.3	+42 35	7.0	7.15	3304,3324	15,*15*
2295	51.3	+35 28	7.3	7.54	3652,3658	06,*07*
2452	51.3	+14 45	7.5	7.00	4015,4017	04,*04*
737	51.4	+65 47	6.5	6.72	3290,3295,4027	05,05,*11*
3396	51.6	−10 10	7.2	*7.41*		A . .
1204	51.7	+62 6	6.2	6.36	3290,3295,4027	01,21,*22*
9364	51.7	−31 42	7.6	7.03	2957,2963,3307,	06,09,*20*,
9365	51.7	−31 42	7.6		3316,3323,3665	07,08,*10*
3532	51.8	−13 11	6.7	6.52	3302,3303,4018	*11*,09,02
7418	51.8	−38 17	7.3	7.79	3307,3323,3655	08,*18*,09

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
2252	51.9	+40	50	7.0	7.20	3304,3324	10,*10*
3210	51.9	−4	13	6.8	6.87	3294,3317,4018	12,03,*16*
3211	51.9	−11	33	7.2	7.14	3302,3303	09,*09*
8413	52.0	−32	45	6.4	6.15	2957,2963,3665	*03*,11,*08*
2253	52.1	+40	55	6.5	6.69	3304,3324,4380	01,01,*01*
2073	52.2	+27	19	7.5	7.44	3330,3658	06,*05*
3432	52.2	−21	59	7.2	7.32	3305,3316	06,*07*
7803	52.2	−34	38	7.3	7.84	2957,2963,3665	04,*20*,17
8875	52.5	−26	29	7.0	6.99	3289,3305	14,*14*
8419	52.5	−32	24	7.5	7.76	3307,3316,3323,4018,4026,4027	*15*,31,21,*21*,*02*,*11*
7567	52.5	−37	56	7.5	7.12	2956,2957,3655	12,20,*31*
2546	52.6	+18	2	6.5	6.91	3300,3320,4015	17,*16*,*01*
1275	52.7	+61	1	7.3	8.02	3290,3295	05,*05*
3322	52.7	−7	59	6.6	6.58	3294,3317,4018	*01*,*20*,20
667	52.8	+68	22	6.7	7.07	3290,3295	10,*10*
2174	53.0	+32	50	6.7	6.30	3652,3658,4017	*07*,03,04
3213	53.0	−3	49	6.7	7.06	3294,3317	05,*04*
8883	53.0	−27	7	7.3	7.16	3289,3305	05,*04*
9568	53.0	−31	5	7.0	7.22	2957,2963,3672	04,06,*09*
2553	53.1	+4	3	7.5	6.89	3320,3321,4015	*05*,*06*,11
2633	53.1	+1	26	7.3	7.42	3301,3302	*10*,11
1206	53.2	+62	2	6.5	6.49	3290,4380,4387	28,*04*,*24*
1989	53.4	+48	19	7.2	7.05	3304,3324	*05*,05
3438	53.5	−14	33	7.5	7.41	3302,3302	00,00
8963	53.8	−25	21	6.7	6.33	3323,4387,4388	*04*,*02*,05
2636	53.9	+1	5	6.8	6.48	3320,3321,4015	06,*15*,09
3257	53.9	−22	51	7.3	7.68	3305,3316	17,*16*
2176	54.1	+33	43	6.0	6.08	3652,3658,4017	02,*05*,08
3446	54.1	−2	46	7.3	7.66	3294,3317	05,*04*
3408	54.1	−9	55	6.8	6.72	4018,4026	00,00
1207	54.2	+61	53	6.8	7.52	3290,3295	05,*05*
2499	54.3	+2	23	7.5	7.03	3320,3321,4015	01,*10*,09
9468	54.3	−29	30	7.0	6.97	3289,3305,4018	*04*,*02*,06
2600	54.5	−1	21	7.7	7.12	3294,3317	09,*10*
7826	54.5	−34	45	7.1	7.27	3307.3323,3672	10,*12*,02
370	54.7	+80	9	7.5	*7.70*		A . .
2279	54.8	+34	36	6.6	6.22	4017,4026	06,*07*
2556	54.8	+4	13	5.8	5.24	3300,3321,4015,4386	*21*,*01*,25,*05*
2664	55.0	+19	59	6.9	*7.06*		19, . *18*
389	55.1	+81	25	6.2	*6.44*		09, . *08*
1983	55.2	+45	11	6.8	*7.47*		A . .
7607	55.3	−36	0	7.3	7.19	3307,3323,3672	10,*10*,*01*
636	55.5	+69	45	7.0	*7.32*		*08*,09, .
1368	55.5	+59	55	7.5	*7.96*		A . .
3413	55.6	−9	52	6.4	5.62	3317,4018,4026	*04*,*05*,09
3443	55.6	−21	16	6.2	*6.42*		. . A
598	55.7	+70	47	6.5	6.69	3290,3295,4027	08,*02*,*07*
2502	55.7	+7	10	4.5	*4.64*		. *03*,02
3295	55.8	−19	6	5.7	5.29	3302,3661,4396	*15*,01,15
2520	55.9	−1	12	6.8	6.42	4018,4026	03,*03*
2322	56.1	+31	12	7.4	7.78	3652,3658	*15*,15
2482	56.1	+12	56	7.2	*6.93*		. A .
742	56.2	+66	41	6.8	7.27	3290,3295	*10*,10
3392	56.3	−20	6	7.5	*7.48*		A . .
8124	56.3	−33	29	7.1	7.09	2957,2963,3307	19,*26*,07
599	56.5	+71	25	7.2	7.36	3290,3295,3324	01,11,*11*
863	56.5	+65	29	6.8	*7.25*		A . .
2230	56.5	+36	36	5.5	5.52	4017,4380,4386	09,*03*,*05*
2430	56.6	+22	39	6.7	*6.58*		. A .
8130	56.7	−34	5	6.9	6.84	2957,2963,3307	*02*,13,*12*
2179	57.1	+43	36	5.1	5.18	3304,3324,4026	02,*18*,15
2182	57.4	+43	40	6.7	6.83	3304,3324,4026	*03*,07,*03*
2288	57.6	+25	54	7.5	8.10	3321,3330	*20*,20
2449	57.6	+25	0	7.0	*7.91*		A . .
2450	57.7	+25	23	7.5	8.25	3321,3330	*05*,05
2485	57.8	+13	23	8.0	*7.43*		. A .
3499	57.8	−7	7	6.3	6.46	3294,3317,3659,3660,3661	03,*26*,20,*06*,10
3461	57.9	−21	35	7.5	7.96	3305,3316	12,*11*
9629	57.9	−31	8	7.5	7.51	2957,2963,3307	01,04,*06*
9257	58.1	−28	42	7.5	8.16	3289,3305	*01*,02
2217	58.4	+30	14	7.2	*7.66*		A . .
638	58.5	+69	35	6.6	*7.10*		*03*,04, .
3192	58.5	−4	55	7.2	*7.20*		A . .
6938	58.5	−41	52	5.7	5.25	4015,4049,4053,4388,4417,4420	00,33,18,*13*,*45*,07
7479	58.6	−38	27	6.9	6.56	2956,2957,3655	00,06,*05*
2543	58.7	+6	8	7.2	6.52	3320,3321,4015	08,*17*,08
1214	58.9	+61	58	6.8	7.92	3290,3295	*05*,05
2454	58.9	+25	30	7.3	8.00	3321,3330	*20*,20
2526	58.9	+19	23	7.5	7.64	4386	A
3425	58.9	−9	44	6.5	6.52	3294,3317	*05*,06
2437	59.2	+22	1	6.0	5.71	3330,4017,4380	*04*,05,00
3569	59.2	−20	29	7.5	*7.88*		A . .
730	59.5	+66	54	7.5	7.87	3290,3295	*10*,10
2235	59.5	+36	7	7.3	7.52	3652,3658	02,*03*
2569	59.6	+4	8	7.5	7.24	3320,3321	10,*11*
8493	59.7	−32	14	7.5	7.58	3307,3316,3665	*07*,09,*03*
176	59.8	+86	8	5.7	*6.38*		06, . *07*
460	0.0	+77	19	7.4	7.38	3295,3304	05,*05*
2284	0.0	+34	18	7.3	*7.37*		A . .
2583	0.1	+9	17	4.2	4.32	3321,4015,4396	*27*,*04*,30
8159	0.1	−33	39	7.4	7.65	2957,2963,3316	*10*,05,04
461	0.2	+77	28	5.8	6.03	3290,3295,3304	*19*,10,10
484	0.2	+74	0	7.2	7.58	3295,3304	05,*05*
2566	0.3	+17	51	7.0	7.62	3320,3321	13,*14*
642	0.5	+69	21	7.5	*7.58*		*04*,03, .
1608	0.5	+52	29	7.2	7.00	3304,3327,4026	*10*,00,11

12^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3416	0.5	− 5 17	6.7	6.82	4026,4027	03,*03*
999	0.6	+63 30	6.0	6.25	3290,3290,3300, 3301,3302,3304, 3305,3315,3317, 3321,3323,3324, 3327,3337,3338, 3650,3652,3655, 3660,3661,3672, 3677,3680,3684, 3692,3694,3696, 4014,4015,4017, 4018,4027,4045, 4049,4053,4056, 4063,4380,4383, 4386,4387,4388, 4389,4396,4398, 4406,4417,4419, 4420,4431,4432	*08*,02,*07*, *18*,*07*,*08*, 02,02,*07*, *08*,11,*10*, *28*,*10*,29, *01*,*03*,*10*, 09,16,05, 04,*04*,20, 21,13,*04*, 16,18,21, 07,00,10, *32*,*17*,00, 01,18, R, *07*,*07*,01, 12,*04*,06, *27*,*04*,*05*, 07,*16*,05
3419	0.7	− 5 18	8.0	*7.60*		A . .
7694	0.8	−35 8	6.2	6.18	3289,3290,3294, 3300,3301,3324, 3672,4015,4018, 4049,4053,4063, 4387,4388,4417, 4420,4424	*06*,10,*13*, 04,14,02, *13*,17,*27*, 09,*12*,*07*, 04,*04*,02, *08*,34
2424	0.9	+23 45	6.8	7.31	3330,4396	06,*06*
2431	0.9	+17 20	7.5	7.76	3320,3321	*01*,02
3460	0.9	− 2 34	6.5	6.59	3661,4043,4396	*09*,05,04
7501	0.9	−38 39	7.5	7.52	3301,3307,3655	11,00,*10*
8503	1.0	−32 23	6.8	6.59	2957,3307,3665	07,*08*,01
7658	1.0	−38 7	7.1	7.04	2956,2957,3655	17,*05*,*13*
644	1.1	+69 15	7.0	*7.14*		. A .
2110	1.1	+49 43	7.0	*7.77*		A . .
1926	1.2	+46 51	7.5	7.55	3304,3327	*05*,05
3473	1.2	−22 14	7.2	7.32	3305,3316	*04*,03
7663	1.5	−37 18	6.9	6.77	2956,2957,3655	05,06,*10*
1358	1.7	+58 9	7.3	7.20	3304,3327	00,00
3238	1.7	−11 41	6.3	6.70	3302,3303,4026	*17*,*05*,23
1928	1.9	+47 42	7.5	8.20	3304,3327	10,*10*
3291	1.9	−23 12	7.0	6.91	3305,3316,4026	*06*,01,05
2186	2.0	+43 13	7.3	8.27	3304,3327,3658	03,*07*,05
2491	2.1	+13 33	7.5	*7.00*		. A .
2187	2.3	+43 38	6.8	8.10	3304,3327	00,00
3557	2.3	−17 38	6.9	7.10	3302,3303	06,*06*
9491	2.3	−32 6	7.2	7.43	3316,3323,3665	*03*,08,*06*
2417	2.4	+23 36	7.0	7.52	3330,3658	*05*,06
2274	2.5	+42 38	7.3	7.74	3327,3658	06,*05*
10383	2.5	−23 24	6.9	6.69	3305,3316,4026	*14*,13,02
9687	2.5	−30 51	6.9	6.83	3316,3324,3665	*08*,01,06
3345	2.7	− 7 56	7.0	7.44	3317,3320	04,*05*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2656	2.9	+ 1 11	7.5	7.14	3320,3321	*10*,09
2331	3.0	+31 37	7.2	7.24	3658,3659	*17*,16
868	3.1	+65 44	neb.	9.55	3324,4027	A , R
2501	3.1	+40 13	6.8	*7.32*		A . .
3239	3.1	− 3 44	7.2	7.60	3317,3320	*08*,09
2332	3.2	+30 49	7.2	7.78	3658,3659	00,01
8191	3.2	−34 7	7.0	6.81	3316,3324,3665	05,03,*07*
1420	3.3	+59 7	7.5	7.60	3295,3304	*10*,10
10174	3.3	−24 10	4.2	4.25	3289,3305,4387	06,07,*13*
2115	3.4	+49 32	7.5	*7.82*		A . .
2100	3.5	+27 3	6.8	7.16	3330,3658	04,*05*
3562	3.6	−17 52	7.2	7.09	3302,3303,4026	*23*,*05*,28
R	3.7	−43 46	. .	5.79	3289,4387,4388	*12*,*07*,18
7128	3.8	−40 40	5.9	5.52	3289,3294,3300, 4049,4053,4387, 4431	*26*,*11*,03, 14,03,*01*, 21
2116	3.9	+49 45	7.3	*7.57*		A . .
2439	4.1	+17 45	6.8	7.36	3320,3321	09,*08*
2418	4.2	+15 24	7.5	7.72	3320,3321	03,*04*
1493	4.3	+53 57	7.0	7.55	3295,3304	05,*05*
3246	4.3	−11 17	7.0	6.78	3302,3303,3659, 3660,3661,4026, 4027,4043	*05*,*13*,14, *04*,*08*,*10*, *01*,23
2496	4.4	+39 11	7.0	7.27	3658,3659	*09*,09
2276	4.6	+40 48	7.2	7.40	3295,3327	10,*10*
2517	4.6	+ 2 28	6.4	6.17	3321,4043,4401	*14*,20,*07*
8538	4.6	−32 55	7.3	7.62	3316,3323,3324	02,22,*25*
3219	4.7	− 4 40	6.8	*7.21*		*01*, . 01
469	4.9	+75 13	6.7	6.36	4027,4036	08,*09*
2423	4.9	+23 12	7.3	7.84	3658,3659	*14*,14
7956	4.9	−34 9	6.4	6.04	3316,3324,3665	12,*20*,09
2444	5.0	+16 59	7.0	7.16	3320,3321	09,*08*
2559	5.0	+ 6 22	6.5	5.65	3320,3321,4401	05,*10*,04
3403	5.0	−16 58	7.0	6.64	3302,3303,4026	02,*20*,19
3487	5.0	−22 4	2½	3.36	3289,3315,4045	*20*,15,06
406	5.1	+77 57	7.0	*6.94*		. A .
3518	5.3	− 7 13	6.4	6.54	3303,3317,4026	*02*,*04*,07
2263	5.4	+29 37	7.2	*7.76*		A . .
7679	5.4	−36 16	7.4	7.74	3307,3324,3665, 4026,4027,4049, 4051	*08*,49,*25*, *17*,*11*, R, 09
7714	5.4	−37 18	6.4	6.04	3307,3324,3665	14,*19*,05
2446	5.5	+17 22	6.0	6.26	3320,4401	*11*,11
2084	5.7	+27 50	5.9	*5.84*		. . A
3295	5.7	− 8 50	7.5	7.48	3303,3317	00,00
8545	5.7	−32 54	7.5	7.66	3316,3323,3672, 3687	08,*12*,07, *01*
2508	5.8	+40 27	7.1	6.82	3295,3295,3658	08,08,*15*
1614	5.9	+52 22	7.5	7.56	3327,3660,3660	*06*,07, R
2426	5.9	+23 25	7.5	8.13	3330,3658	04,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
3305	5.9	−23 2	6.0	*5.45*		. *10*,10	751	9.2	+66 40	6.8	6.78	3295,3304,4036	*01*,*01*,01
2429	6.3	+23 9	7.5	7.52	3330,3658	05,*04*	1284	9.2	+61 0	7.5	8.11	3295,3324	*14*,14
2632	6.3	− 2 8	6.8	*7.12*		A . .	*3235*	9.2	− 5 10	6.9	6.53	4027,4043	*15*,15
3478	6.3	− 3 13	6.7	6.92	3303,3317,4027	14,*10*,*05*	2105	9.3	+27 3	7.3	7.47	3330,3658	*07*,07
3429	6.3	−16 14	7.3	6.93	3302,3303,4027	*05*,05,01	1940	9.4	+47 37	7.5	7.82	3327,3660	*12*,13
356	6.5	+82 16	6.7	*6.28*		03, . *04*	2441	9.4	+24 14	7.5	7.38	3330,3658	09,*10*
2321	6.5	+34 50	7.0	*7.12*		A . .	1619	9.6	+52 33	8.3	8.33	3327,4017,4017,	R,01,00,
9603	6.5	−30 2	7.2	7.53	3316,3324,3665	*05*,*04*,09						4043,4043,4044,	*10*,*05*,*16*,
1499	6.6	+53 59	7.5	7.50	3295,3304	00,00						4044,4045,4045,	12,*19*,*13*,
2583	6.6	+ 4 37	7.3	6.80	4027,4043	*13*,14						4386,4386,4387,	*04*,11,19,
3457	6.6	−10 0	7.3	7.13	3303,3317	*05*,05						4387,4398,4398,	03,07,*01*,
2316	6.7	+26 25	5.7	5.78	4036,4398,4401	10,*01*,*10*						4406,4417	08,14
2436	6.7	+23 53	6.6	6.77	4036,4043	08,*08*	*2513*	9.6	+39 54	6.5	*7.22*		A . .
3424	6.7	−19 22	7.2	7.27	3302,3303	*13*,13	10236	9.6	−24 13	7.3	7.48	3305,3315	*06*,07
1359	6.8	+57 37	6.5	*6.53*		. A .	*1504*	9.8	+53 59	6.7	6.30	3304,4406,4417	10,04,*13*
9091	6.8	−25 23	7.3	7.51	3305,3315	09,*09*	3606	9.8	−20 17	6.1	5.89	3316,3323,4387	09,*15*,05
2265	6.9	+29 6	6.7	*6.40*		06,*02*,*05*	7813	9.8	−35 40	7.5	7.42	3307,3324,3672	01,*06*,06
411	7.1	+78 0	7.3	*6.64*		. A .	2554	9.9	− 0 47	7.5	*7.61*		. A .
874	7.1	+65 1	7.3	*7.70*		A . .	9379	9.9	−28 40	6.7	6.51	3305,3315,4026	*03*,*04*,07
2398	7.1	+21 6	6.0	5.61	3658,4398,4401	*12*,04,08	3532	10.0	− 6 42	7.4	7.42	3317,3320	*02*,02
3426	7.2	−19 19	7.7	7.32	3302,3303	22,*22*	3468	10.0	− 9 43	6.2	6.05	3317,4027,4417	03,07,*10*
2693	7.3	+20 23	7.5	8.39	3330,3658	*02*,04	2454	10.2	+17 29	6.5	6.85	3320,3321,4027	00,*07*,08
8561	7.3	−32 51	7.3	7.01	3316,3323,3665	03,*17*,13	1943	10.3	+47 40	7.3	7.31	3660,4406,4417	01,01,*02*
1575	7.4	+56 16	7.3	7.45	3295,3327	*05*,05	*610*	10.4	+70 45	6.0	5.94	3304,4036,4406	13,01,*15*
412	7.5	+78 10	5.1	*5.10*		. *06*,07	3508	10.4	−13 31	7.0	7.56	3302,3303	*05*,05
2248	7.5	+36 19	7.5	8.50	3658,3659,3659	10,*11*,00	3445	10.4	−19 58	7.2	*6.98*		06, . *05*
3481	7.5	− 2 32	7.3	7.36	3317,3321	*04*,05	*9791*	10.4	−31 8	7.5	7.67	3316,3323,3665	15,*12*,*02*
2635	7.6	− 1 55	7.0	7.42	3317,4027	00,01	1363	10.5	+57 35	3.3	*3.47*		. . A
7706	7.6	−36 58	7.5	7.86	3307,3316,3665	*16*,33,*16*	2506	10.5	+39 12	7.2	7.52	3659,3660	09,*08*
2229	7.8	+32 21	7.5	7.73	3658,3659	*01*,01	3322	10.6	−22 47	6.8	6.42	3305,3315,4026	*07*,06,02
9762	7.9	−30 57	7.5	7.56	3316,3323,3665	09,*07*,*02*	3509	10.7	−13 15	7.2	7.56	3302,3303	15,*15*
8571	8.0	−32 46	7.5	7.36	3316,3323,3665	28,*22*,*05*	3424	10.7	−16 59	2	*2.73*		. . A
8252	8.0	−33 34	6.9	6.77	3316,3323,3665	05,03,*07*	2436	10.9	+15 28	5.1	5.19	4027,4043,4401	01,*05*,03
2340	8.2	+30 51	7.4	7.46	3658,3659	*13*,13	549	11.0	+73 7	6.5	6.55	3295,3304,4036	18,*02*,*15*
2451	8.2	+22 36	7.5	7.42	3330,3658	*15*,16	2284	11.1	+41 13	5.5	5.74	3327,3660,4406	*04*,*06*,11
7581	8.2	−38 22	6.1	5.82	3290,3294,3300,	21,*05*,00,	2321	11.1	+26 19	7.1	8.14	3330,3659	*04*,03
					3655,3680,4026,	*15*,14,01,	2443	11.2	+24 30	5.3	5.09	3658,3659,4398	00,21,*21*
					4027,4049,4419	*27*,*11*,21	2213	11.5	+33 37	5.0	*5.03*		. . A
2451	8.4	+17 44	7.3	7.82	3320,3321	03,*04*	2516	11.7	+40 8	7.2	*7.12*		A . .
2440	8.4	+10 50	6.4	5.80	3321,4401,4417	*05*,06,*01*	*9140*	11.7	−26 2	7.4	7.28	3305,3315	00,01
8257	8.4	−33 14	6.5	6.15	3316,3323,3665	07,*05*,*01*	*1364*	11.9	+56 51	7.5	7.22	3327,3660	*22*,23
3437	8.6	−19 46	7.5	*7.49*		A . .	*3442*	11.9	−16 8	6.7	5.92	3302,3303,4417	*24*,06,17
269	8.8	+84 4	7.5	8.11		A . .	7553	12.3	−39 27	7.3	7.29	3307,3672,4398	*08*,06,01
2616	8.8	+ 2 50	7.0	*7.03*		. A .	*1510*	12.5	+53 45	6.1	*6.00*		01, . 00
R	8.8	−45 10	. .	5.79	3301	A	2275	12.5	+29 30	5.8	5.77	3337,4398,4401	*07*,06,01
9562	8.9	−31 49	7.0	7.39	3316,3324,3665	01,07,*07*	7842	12.6	−35 32	6.5	6.12	3307,3324,3672	01,*06*,06
7723	8.9	−36 10	7.5	7.12	3307,3324,3672	*13*,15,*02*	7843	12.6	−35 46	7.5	8.06	3307,3324,3672	*05*,16,*12*
2281	9.0	+42 43	7.5	8.10	3295,3327	20,*20*	2442	12.7	+15 42	7.0	6.53	3320,3321,4027	02,*05*,02
2205	9.1	+33 20	7.0	6.78	3658,3659,4036	*09*,03,07	10471	12.8	−23 27	7.0	6.85	3305,3315,4026	*10*,13,*02*
8266	9.1	−33 13	7.2	7.18	3316,3323,3672	04,*08*,05	*2547*	13.0	+18 59	7.0	7.46	3320,3321	*01*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3262	13.0	− 3 24	7.5	6.08	3317,3320,4027	*06*,11,*05*
3263	13.0	− 3 23	6.8			
3618	13.1	−20 17	7.5	*7.38*		A . .
2100	13.2	+27 52	7.5	7.40	3330,3659	00,01
9819	13.2	−30 56	7.5	7.39	3316,3323,3665	06,*10*,04
3316	13.4	− 8 20	7.5	7.44	3317,3320	*06*,05
7635	13.4	−38 51	7.5	7.57	3307,3324,3672	13,*07*,*07*
2219	13.5	+33 18	7.2	6.66	3658,3659,4036	07,*11*,03
2350	13.5	+30 49	6.5	6.14	3658,3659,4036	*08*,11,*02*
2920	13.6	− 0 14	6.3	*5.92*		01,*06*,05
107	13.7	+87 0	6.5	*6.35*		*06*, . 06
2324	13.7	+26 45	7.3	7.50	3330,3659	*10*,09
8626	13.8	−32 44	7.3	7.73	3316,3323,3672	21,*19*,*01*
2326	14.0	+26 34	6.6	6.39	3330,3659,4036	01,01,*01*
2462	14.1	+17 7	7.5	7.02	3320,3321	03,*04*
3450	14.1	−15 43	7.4	*7.80*		A . .
2288	14.2	+40 52	7.2	7.37	3327,3660	03,*03*
2487	14.2	+25 37	7.5	7.67	3330,3659	*07*,07
3323	14.2	− 8 21	7.0	*7.03*		. A .
2448	14.3	+23 35	6.3	6.23	3337,4398,4401	02,*03*,01
2445	14.3	+15 7	7.0	6.57	4027,4043	*04*,04
9625	14.3	−32 2	7.4	7.33	3316,3323,3672	07,*02*,*05*
71	14.4	+88 15	6.5	*6.27*		06, . *06*
470	14.4	+75 43	5.8	*5.41*		*02*,06,*04*
2106	14.5	+28 43	6.5	*6.30*		. *07*,07
9090	14.7	−26 11	7.0	6.77	3305,3315,4026	*01*,*08*,08
2926	14.8	− 0 7	3.2	*3.99*		04,*06*,01
7809	14.8	−37 14	7.4	7.61	3307,3324,3672	*03*,04,00
1009	14.9	+62 55	7.0	7.72	3295,3304	*05*,05
2130	14.9	+49 32	5.7	*5.47*		. . A
2280	14.9	+29 1	7.0	*6.53*		. A .
2180	15.0	+44 9	7.0	7.60	3327,3660	00,01
2489	15.0	+14 25	7.2	*6.94*		A . .
3511	15.0	−21 37	6.5	6.06	3305,3315,4026	*08*,*05*,12
3267	15.1	− 3 57	7.3	7.30	3317,3320	02,*01*
2324	15.3	+38 28	6.5	*6.67*		. A .
2114	15.3	+27 11	5.0	*5.60*		. . A
2329	15.3	+26 34	6.3	6.11	3321,3330,4036	*21*,09,11
2604	15.3	+ 3 53	5.2	*5.08*		. *01*,01
3514	15.4	−21 39	5.0	5.22	3305,4026,4387	*04*,11,*07*
742	15.6	+66 57	6.8	7.12	3295,3304	*05*,05
2592	15.6	+18 21	4.5	4.94	3317,4027,4401	04,02,*06*
1224	15.7	+61 52	7.4	7.96	3304,3324	11,*11*
2115	15.7	+27 37	6.0	6.29	4398,4398,4401, 4401,4420,4420	01,07,*13*, *14*,00,21
2362	15.8	+16 5	6.5	6.51	3317,3320,4027	*13*,14,*02*
3614	15.8	−13 0	5.0	5.24	3317,4417,4442	10,03,*14*
890	15.9	+64 14	6.8	*7.37*		A . .
1371	16.1	+58 25	6.0	*5.67*		. . A
1778	16.1	+46 4	7.0	7.24	3327,3660	*04*,05
2493	16.1	+25 35	7.2	7.35	3321,3330	05,*05*
2295	16.2	+42 2	7.5	7.80	3327,3660	*20*,21
2326	16.2	+38 35	7.3	7.40	3338,3658	00,*01*
2333	16.2	+35 15	6.8	*7.17*		A . .
8366	16.3	−33 47	7.2	7.99	3301,3316,3672	13,*10*,*02*
2495	16.4	+25 34	7.5	7.10	3321,3330	00,00
274	16.5	+83 56	7.2	*8.11*		A . .
3353	16.5	−22 20	7.7	7.80	3305,3315	08,*09*
2464	16.7	+22 25	7.4	7.39	3337,4036	06,*06*
1227	16.8	+62 19	7.5	8.01	3304,3324	06,*06*
2290	16.9	+41 16	8.5	7.86	3681,3684,3687, 4043,4043,4044, 4044,4045,4045, 4398,4398,4420, 4420,4424,4424	07,06,*04*, *15*,04,00, *16*,*27*,*01*, 13,*02*,18, 14,*18*,23
8100	16.9	−34 57	7.1	7.20	3301,3316,3672	*06*,*09*,16
1955	17.0	+47 44	6.5	6.52	3327,3660,4036	*02*,*02*,05
2469	17.0	+17 17	6.8	6.56	3317,3320,4027	12,*11*,*01*
7842	17.0	−37 53	7.3	7.43	3307,3324,3672	*02*,*01*,02
3500	17.1	−15 0	6.8	6.68	4027,4043	*12*,12
2498	17.2	+25 19	6.5	6.16	3321,3330,4398	*16*,24,*07*
10516	17.2	−23 41	7.5	7.08	3305,3315	04,*03*
1228	17.3	+62 9	6.5	6.86	3304,3324,4036	*09*,*01*,10
7689	17.4	−38 37	6.8	6.78	3307,3324,3672	*06*,*04*,10
2337	17.5	+26 24	5.0	4.76	3659,4036,4398	04,*31*,27
2599	17.5	+ 5 52	7.1	*6.46*		. A .
1229	17.6	+62 2	7.3	8.21	3304,3324	*04*,04
2132	17.7	+48 55	7.3	7.16	3327,3660	*16*,16
3528	17.7	−14 7	7.5	7.26	3302,3303	*05*,05
10312	17.8	−24 19	7.4	6.80	3323,4387	*07*,08
2190	17.9	+44 22	7.5	*8.02*		A . .
3557	18.0	− 6 44	6.8	7.10	3302,3303	*02*,02
7814	18.0	−36 56	7.3	7.06	3307,3324,3672	06,*22*,16
1396	18.1	+60 41	7.2	7.81	3327,3660,3661	*01*,*08*,10
3268	18.1	− 4 25	6.5	6.65	4027,4043,4442	*22*,10,13
3338	18.1	− 9 13	7.2	7.57	3302,3303	09,*09*
3291	18.2	−11 15	6.8	6.66	3302,3303,4027	*03*,*01*,05
10314	18.2	−24 17	6.0	5.79	3323,3324,4387	*16*,05,12
3487	18.3	− 5 34	7.2	*7.20*		A . .
8117	18.3	−34 51	5.5	5.35	3290,3294,3300, 3301,3316,3665, 3672,3680,4049, 4063,4419,4424	*04*,02,*01*, *21*,*04*,*03*, 02,09,*04*, 08,16,00
7700	18.3	−38 45	6.7	6.47	3307,3324,3672	*05*,*03*,07
2501	18.5	+25 9	7.0	*7.34*		07, . *07*
7701	18.5	−38 21	6.1	5.89	3290,3307,3680, 4419	14,*32*,*06*, 23
9709	18.6	−29 47	6.8	6.64	3305,3315,4026	11,00,*11*
1013	18.7	+63 35	7.3	8.21	3304,3324	*14*,14
3379	18.7	−18 40	7.0	*7.51*		. A .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3380	18.8	−19 1	7.0	*7.37*		. 06,*06*
1292	18.9	+61 28	7.2	*7.69*		. A .
2218	18.9	+43 5	6.3	6.08	3337,3660,3661,4036,4043,4044,4045	12,*01*,*05*,21,*08*,*14*,*08*
2292	18.9	+41 17	7.5	8.18	3327,3660	*18*,17
7710	18.9	−38 21	7.1	6.93	2957,3307,3672	03,14,*16*
1522	19.0	+54 43	7.5	*7.71*		A . .
1397	19.1	+60 40	7.3	8.16	3327,3660,3681	R,14,*14*
2343	19.1	+26 23	7.0	6.65	3321,3659,4398	*25*,20,05
1626	19.2	+52 7	5.2	4.91	3681,4406,4417	*03*,*02*,04
2344	19.3	+26 39	5.3	5.22	3659,4398,4401	03,05,*07*
2220	19.5	+43 39	7.2	7.84	3327,3660	*14*,15
2345	19.5	+26 9	6.3	6.31	3321,3659,4036	*11*,20,*09*
2302	19.6	+41 54	6.9	*7.28*		. *04*,05
7163	19.8	−41 57	6.6	6.18	3294,3301,3330	*17*,12,06
2519	19.9	+38 53	7.5	8.10	3658,3659	00,01
2362	19.9	+31 35	7.2	7.66	3338,3659	*16*,16
9230	20.0	−25 26	7.0	6.93	3305,3315,4026	*13*,*01*,13
2221	20.1	+43 25	7.0	7.03	3327,3660,4036	*13*,*04*,17
3467	20.1	−11 3	6.0	5.88	3294,3302,4027	07,*15*,08
8670	20.1	−27 11	6.6	*6.24*		. 02,*01*
8146	20.1	−34 38	5.8	5.79	3300,3301,3315,3316,3665,3680,3699,4049,4063,4419,4424	*03*,*22*,*15*,*15*,*01*,14,00,*09*,28,09,17
2331	20.2	+37 47	7.5	*8.27*		. A .
2455	20.2	+24 29	6.0	*6.01*		. . A
1294	20.3	+61 14	7.3	7.41	3304,3324	*04*,04
1373	20.3	+57 19	6.4	6.02	3327,4406,4417	02,14,*13*
3388	20.3	−18 48	7.1	7.80	3302,3303,3661,3681,3684,4026,4026,4027,4027,4036,4036,4049,4049,4398,4398,4420,4420,4424,4424	*06*,20,*05*,*01*,*10*,*12*,13,*03*,08,05,06,*06*,*05*,05,*18*,01,*02*,00,10
896	20.4	+64 22	6.0	6.39	3290,3294,3295,3300,3301,3302,3303,3304,3317,3324,3324,3327,3330,3338,3343,3652,3655,3658,3661,3680,3681,3684,3687,3692,3693,3699,3705,4017,4018,4026,4045,4049,4051,4053,4063,4064,4067,4380,4383,4386,4387,4388,4398,4417,4419,4420,4424,4431,4432	08,*01*,08,*21*,*12*,*01*,*13*,08,*31*,*14*,*04*,*02*,*22*,45,17,*03*,04,06,12,07,13,*07*,*07*,09,*16*,*17*,*24*,00,13,13,*06*,*03*,10,21,00,10,25,*16*,R,10,10,*10*,*11*,*09*,*09*,04,08,*15*,*02*
2520	20.5	+38 54	7.8	7.64	3338,3658	*14*,14
2458	20.7	+23 55	7.5	7.62	3321,3337	*04*,03
3510	20.8	−14 23	7.0	7.06	3302,3303	05,*05*
2521	20.9	+39 34	5.4	5.12	3338,3658,4398	08,*08*,*01*
2371	21.0	+16 26	7.3	6.91	3317,3320,4027	*03*,04,*01*
2115	21.4	+27 49	5.1	*5.17*		. . A
8713	21.6	−32 16	5.6	5.53	3315,3680,3699,4063,4419,4431	*14*,25,*05*,02,01,*08*
1533	21.8	+55 43	7.0	*6.93*		. A .
2139	22.0	+49 13	7.5	7.89	3327,3660	*09*,09
2288	22.0	+28 49	4.7	*4.40*		. . A
2134	22.0	+27 22	5.2	4.95	3321,4398,4401	05,*01*,*04*
3626	22.0	−17 51	6.8	7.20	3302,3303	*14*,14
565	22.1	+72 29	6.5	6.44	3304,3324,4036	*01*,06,*05*
1754	22.1	+51 45	7.3	7.47	3327,3660	03,*03*
2278	22.2	+36 55	7.1	7.67	3659,3660	02,*02*
10362	22.4	−24 10	7.5	7.44	3305,3315	*02*,01
2307	22.6	+41 55	6.5	*6.58*		. 06,*05*
2611	22.6	+18 24	7.0	7.52	3317,3320	06,*07*
2628	22.6	+ 9 10	6.5	*6.42*		. A .
3471	22.6	−16 4	6.8	6.42	4027,4043	09,*09*
7858	22.6	−36 9	7.3	7.48	3301,3307,3672	*04*,01,04
2352	22.7	+26 27	6.5	6.57	3321,3659,4036	*17*,24,*08*
3629	22.7	−18 3	7.3	7.55	3302,3303	*09*,09
1598	22.8	+56 16	6.0	*5.80*		. . A
3298	22.8	− 4 4	6.5	6.20	4027,4417	04,*05*
3409	22.8	− 8 7	6.3	6.69	3294,3302,4027	*02*,*03*,06
1295	22.9	+61 42	7.0	*7.85*		. A .
3540	22.9	−13 53	7.0	*6.94*		. . A
7753	23.0	−38 29	5.9	5.56	3303,3305,3315,3680,3699,4419,4424,4431	*19*,*06*,*40*,*11*,*15*,30,39,19
2474	23.2	+12 23	7.3	8.03	3317,3320	03,*03*
2631	23.2	+ 4 57	7.3	*6.76*		A . .
2038	23.3	+45 21	7.0	6.91	3327,3660,4036	*11*,*03*,15
2477	23.5	+12 40	7.5	7.98	3317,3320	*02*,02
7902	23.6	−37 24	7.3	7.68	3301,3307,3672	03,*10*,06
2138	23.7	+26 47	6.5	6.48	3321,3659,4036	*18*,14,05
761	23.8	+66 2	7.5	8.08	3300,3304	00,*01*
2353	23.8	+26 27	7.2	6.64	3659,4398	*03*,03
8188	23.8	−34 16	7.1	7.24	3301,3307,3672	*05*,*12*,16
1925	23.9	+50 12	7.3	*7.12*		A . .
2354	23.9	+26 28	6.0	5.24	3659,4398,4401	17,08,*24*
2343	24.3	+35 15	7.0	*7.59*		A . .
2614	24.3	+17 53	7.5	7.52	3317,3320	06,*07*
2464	24.4	+24 39	5.7	*5.48*		*12*,*02*,15

12h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
2633	24.4	+ 5 23	7.5	7.09	3317,3320	*05*,05
2424	24.7	+21 27	5.8	*5.74*		. . A
3482	24.7	−15 58	3	*3.02*		*05*, . 04
746	24.8	+67 27	6.5	7.02	3300,3304	*14*,15
2469	24.8	+15 12	7.5	*7.19*		A . .
9727	24.8	−31 30	8.0	7.80	3301,3316,3672	15,*28*,13
8743	24.8	−32 46	7.5	7.82	3301,3316,3672	*05*,12,*06*
3513	24.9	− 5 28	7.5	*7.14*		06, . *07*
3647	24.9	−12 50	6.5	6.41	3302,3303,4027	*20*,10,09
2617	25.1	+18 27	7.3	7.46	3317,3320	02,*01*
3383	25.1	−23 9	6.0	5.92	3305,4387,4398	03,01,*03*
1444	25.3	+58 57	5.7	5.45	4398,4398,4420,	13,08,*13*,
					4420,4424,4424	07,*09*,*08*
1631	25.3	+52 5	6.5	6.22	4398,4398,4424,	*01*,05,07,
					4424,4431,4431	03,*06*,*09*
2542	25.3	+39 49	7.2	*7.62*		A . .
1446	25.4	+59 19	6.2	6.21	3661,4406,4417	15,*06*,*10*
2478	25.4	+22 30	7.0	7.72	3321,3337	06,*07*
2622	25.5	+ 4 3	7.5	7.38	3317,3321	06,*05*
9782	25.6	−30 7	7.2	7.36	3301,3316,3672	*06*,02,03
700	25.7	+69 45	4.7	5.25	3290,3294,3295,	02,03,*18*,
					3300,3301,3303,	03,32,01,
					3304,3304,3307,	12,02,12,
					3315,3321,3323,	22,02,01,
					3327,3330,3337,	12,02,*10*,
					3338,3343,3658,	*01*,11,05,
					3661,3681,3684,	11,*01*,*11*,
					3687,3692,3693,	*18*,01,*21*,
					3694,3699,3705,	*05*,03,*12*,
					3710,4026,4043,	*07*,*03*,*10*,
					4045,4051,4053,	13,06,01,
					4063,4064,4067,	09,*01*,08,
					4074,4078,4380,	*24*,*18*,*07*,
					4383,4387,4417,	B,*03*,06,
					4419,4424,4431,	*01*,*15*,*03*,
					4432,4442	*20*,12
3309	25.7	− 3 30	6.7	7.06	3294,3302	05,*06*
2546	25.8	+12 56	neb.	8.54	3330,4027	03,*03*
3406	25.9	−19 2	7.5	7.32	3302,3303	12,*12*
2252	26.0	+31 59	7.4	7.38	3338,3659	*08*,08
2517	26.0	+25 7	5.3	*5.34*		. 05,*06*
1554	26.1	+53 37	6.5	6.24	3661,4406,4417	*12*,*04*,15
2466	26.1	+24 21	7.5	*7.11*		A . .
2489	26.1	+17 10	7.5	7.53	3317,3321	05,*05*
2543	26.2	+40 8	6.8	6.70	4036,4043	03,*04*
3366	26.2	− 8 38	7.0	7.26	3294,3302	11,*10*
2609	26.3	+ 8 10	6.5	6.06	3317,4401	00,*01*
9961	26.3	−30 25	7.0	6.90	3301,3316,3672	00,*02*,01
763	26.4	+66 27	6.5	6.72	3300,3304,4036	*04*,*05*,08
3487	26.4	−10 31	7.5	*7.46*		A . .
3296	26.5	− 4 30	6.3	6.26	4027,4043	*06*,06
2244	26.6	+33 35	7.3	7.52	3338,3659	08,*09*
2484	26.6	+12 41	7.3	7.80	3317,3321	06,*05*
3530	26.6	−15 9	7.5	*7.46*		A . .
569	26.7	+71 52	7.0	7.02	3300,3304	06,*05*
3662	26.7	−20 26	7.3	*7.33*		A . .
1791	26.8	+45 46	7.5	7.68	3660,3661	*02*,01
2287	26.8	+29 52	7.3	*7.46*		A . .
2467	26.8	+23 31	7.4	8.24	3337,3659	11,*12*
9746	26.8	−31 59	6.5	6.48	3301,3316,3672	*16*,12,05
2467	26.9	+23 50	7.3	7.61	3337,3659	*06*,06
3489	26.9	−15 38	5.0	*4.34*		03, . *02*
9180	26.9	−27 1	7.1	*7.20*		. *14*,15
475	27.0	+77 14	7.5	7.49	3300,3304	*14*,14
3667	27.3	−20 39	6.5	6.52	4026,4027	04,*04*
9757	27.3	−31 54	7.2	7.44	3301,3316,3672	08,06,*14*
3552	27.4	−13 18	6.3	5.63	3302,4417,4442	*12*,*01*,14
7939	27.4	−37 31	7.5	7.90	3301,3307,3672	*02*,05,*03*
666	27.5	+69 3	7.0	7.42	3300,3304	06,*05*
9798	27.5	−29 29	7.0	6.79	3305,3315,4026	*05*,06,*01*
2470	27.8	+23 59	8.0	7.32	3337,3659,3661,	13,28,09,
					3681,3684,4043,	16,*05*,*12*,
					4043,4044,4044,	*13*,12,05,
					4045,4045,4049,	*02*,03,*37*,
					4049,4398,4398,	*16*,*03*,05,
					4398,4401,4401,	08,*07*,06,
					4420	*07*
473	28.0	+75 22	7.0	*7.52*		A . .
2473	28.0	+10 50	6.4	*6.46*		. A .
3416	28.1	−19 14	6.2	*6.15*		. . A
2616	28.4	+ 8 30	7.5	7.56	4398,4398,4424,	14,05,*14*,
					4431,4431	*12*,06
3659	28.4	−12 17	5.4	*5.62*		. . A
2522	28.5	+25 0	7.3	*7.45*		06,*06*, .
2617	28.5	+ 8 13	7.1	*6.94*		. 08,*08*
2347	28.6	+38 38	6.8	6.72	3659,3661,4036	03,03,*05*
2523	28.6	+24 50	6.3	6.20	3337,4398,4401	*10*,19,*10*
3372	28.6	− 8 54	5.3	5.29	3303,4417	*01*,01
2332	28.7	+33 48	5.4	5.57	3338,3665,4398	*17*,08,08
3399	28.8	−22 59	7.5	7.46	3305,3315	09,*08*
2205	28.9	+44 38	7.2	*7.52*		A . .
2333	28.9	+33 57	6.6	6.43	3338,3665,4398	*03*,*05*,08
3651	28.9	−17 38	7.0	7.20	3302,3303	*04*,04
9775	28.9	−31 32	7.0	6.88	3301,3316,3672	*03*,*06*,09
2321	29.0	+41 54	4.5	4.29	3660,3661,4406	09,*18*,09
3401	29.1	−22 51	2	2.72	3315,4387,4431	*04*,01,02
703	29.2	+70 20	3.3	*3.91*		. . A
1969	29.3	+47 18	6.8	7.36	3660,3661	*01*,02
2474	29.3	+11 28	7.5	7.40	3317,3321	*04*,05
2590	29.3	− 0 51	7.2	7.14	3294,3303	07,*08*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	29.3	−44 7	. .	5.97	3305,3307,3699	25,*21*,*05*
559	29.4	+73 2	7.2	7.39	3300,3304	*04*,04
2619	29.4	+ 8 17	7.1	*6.85*		. 07,*07*
8498	29.5	−33 18	7.5	8.27	3301,3316,3672	*22*,*05*,28
8499	29.5	−33 11	8.6	8.98	3684,4026	16,*15*
454	29.8	+75 45	6.7	*7.17*		A . .
2489	29.8	+22 7	7.5	8.06	3337,3659	00,01
2475	29.9	+23 11	4.8	4.76	3659,3680,4398	*07*,*16*,22
1970	30.0	+47 33	7.3	7.86	3660,3661	*07*,08
2584	30.1	+18 56	4.3	4.82	3317,4401,4417	06,*15*,10
2490	30.2	+22 26	6.5	6.06	3337,3659,4036	*01*,03,*02*
2489	30.2	+12 5	7.3	7.66	3317,3321,4027	00,*11*,10
2670	30.2	+ 2 48	7.8	7.02	3321,3324,4401	01,*15*,15
8280	30.2	−34 18	7.4	7.94	3301,3316,3672	05,*08*,02
2298	30.3	+36 59	7.0	7.34	3659,4398,4420	11,*04*,*07*
7376	30.3	−40 28	5.7	5.21	3303,3305,3307,3327,3330,3337,3343,3699,4424,4431	*24*,04,03,*33*,05,*25*,02,*09*,62,14
3328	30.4	−11 28	6.3	6.74	3303,4417	01,00
3498	30.4	−16 36	7.3	7.03	3302,3303	*05*,05
705	30.5	+70 34	4.8	5.29	3295,3304,4406	*02*,08,*07*
3499	30.5	−16 16	7.0	6.62	3302,3303,4027	06,*04*,*01*
7717	30.6	−39 19	6.4	5.82	3301,3303,3305,3316,3327,3337,3343,3672,3692,4026,4027,4431,4432	*10*,*13*,*04*,35,*26*,*32*,*15*,14,*10*,30,*28*,13,49
3333	30.7	−11 31	6.5	*6.61*		. . A
3521	30.7	−19 58	6.7	*6.12*		12, . *12*
8511	30.8	−33 11	7.2	7.99	3316,3323,3672,3681,3684,3692,4026,4027,4036,4051,4051,4053,4053,4067,4067,4398,4398,4424,4424,4431,4432,4432	33, R,05,14,08,02,19,08,*19*,*24*,*07*,18,26,*15*,*33*,*12*,*13*,08,12,06,*17*,*26*
2551	30.9	+40 14	7.0	*7.17*		A . .
2259	31.1	+32 33	7.4	7.46	3665,3680	20,*20*
400	31.2	+80 48	6.8	*7.37*		A . .
1797	31.2	+46 19	7.0	7.50	3660,3661	04,*03*
7854	31.2	−38 46	7.1	6.84	3301,3307,3672	*01*,*12*,13
2308	31.4	+41 8	7.5	7.66	3660,3661	*03*,04
9797	31.5	−31 37	8.0	7.87	3301,3316,3672	*12*,05,06
8291	31.5	−34 52	7.5	7.70	3301,3316,3672	*16*,11,06
669	31.6	+69 34	7.3	*7.42*		A . .
1382	31.6	+57 23	7.5	7.47	3661,3681	*01*,01
3585	31.6	− 5 17	5.9	5.96	4043,4417	13,*13*
3543	31.6	−15 1	7.3	*7.61*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2504	31.9	+17 38	5.8	5.80	3317,3321,4044,4045	*12*,*02*,23,*08*
2699	32.0	− 1 46	7.5	6.98	3302,3303,4027	*08*,08,00
2648	32.1	+ 9 21	7.0	6.69	4043,4044,4044,4045	04,32,*17*,*19*
3443	32.2	− 7 45	7.3	6.90	3302,3303,4027	*04*,18,*15*
2436	32.3	+21 45	7.3	7.71	3337,3665	*06*,06
9233	32.4	−26 35	5.6	*5.40*		. *17*,18
707	32.7	+70 44	6.8	6.64	4036,4043	*06*,05
2540	32.8	+39 13	7.3	7.29	3665,3680	*03*,03
2654	32.8	+ 4 50	7.3	6.87	4420	A
2631	33.0	+ 3 50	6.5	*6.22*		*02*, . 03
7876	33.0	−38 15	7.1	7.35	3301,3307,3672	*07*,12,*05*
1545	33.3	+55 24	6.8	7.22	4036,4043	*07*,08
2560	33.3	+ 2 25	6.0	*5.92*		. . A
8318	33.3	−34 37	7.3	7.78	3301,3316,3672	*01*,*04*,04
7981	33.3	−36 11	7.5	7.60	3301,3323,3672	24,*31*,07
3668	33.5	−17 42	6.0	*6.18*		. 21,*22*
2523	33.6	+14 21	6.5	*7.34*		A . .
3329	33.6	− 3 49	6.9	6.94	3302,3303,4043	*24*,02,22
9845	33.7	−29 52	6.4	5.94	3323,3672,4431	*18*,05,12
2595	33.8	− 0 18	8.0	*7.18*		A . .
1805	33.9	+45 46	7.2	7.09	3660,3661	09,*09*
2312	34.0	+41 25	7.0	6.44	3327,3660,3661	*04*,00,03
2558	34.0	+39 51	7.5	*7.37*		A . .
2479	34.0	+23 12	7.0	6.47	3337,3665,4036	*12*,10,02
3452	34.1	− 7 27	5.0	4.81	3302,4045,4417	*03*,03,01
9635	34.1	−28 59	7.5	7.32	3323,4431,4432	*12*,20,*08*
2439	34.2	+21 36	5.7	5.48	3337,4420,4432	*13*,17,*05*
389	34.3	+79 46	6.7	*7.03*		A . .
2295	34.4	+36 31	6.0	6.31	3665,4420,4432	*03*,*05*,07
3542	34.4	− 5 33	6.5	6.90	4043,4045	05,*04*
7748	34.4	−39 26	5.2	4.72	3301,3305,3327,3337,3343,3693,3699,4026,4036,4432	*12*,*17*,*19*,*17*,32,05,15,*17*,*10*,45
1307	34.5	+61 34	7.2	*7.35*		. A .
182	34.6	+86 17	6.5	*7.07*		A . .
1612	34.7	+56 33	7.5	7.87	3661,3681	07,*07*
8042	34.8	−37 18	7.1	7.51	3301,3307,3672	00,*03*,03
2363	34.9	+35 38	7.5	8.04	3665,4036	07,*08*
1309	35.1	+61 26	7.0	*7.10*		. *11*,10
2341	35.3	+34 42	7.0	*7.52*		A . .
3577	35.4	−13 33	6.9	*7.07*		. A .
3458	35.5	− 7 54	7.5	7.27	3302,3308	*01*,01
8810	35.5	−27 10	7.5	7.28	3305,3315	04,*05*
561	35.6	+73 33	7.0	7.44	3295,3300	*01*,01
2396	35.7	+30 56	7.2	7.56	3665,3680	05,*06*
2317	35.9	+40 51	7.2	8.10	3661,3681	01,*02*
8811	35.9	−27 21	7.1	6.90	3305,3315,4026	*08*,*17*,25

12^h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
2318	36.1	+41 5	7.3	8.21	3660,3661	02,*02*
3676	36.1	−12 28	5.3	*5.23*		. . A
2397	36.2	+30 59	6.8	6.88	3665,3680,4036	06,03,*08*
3540	36.3	−20 4	7.5	*7.73*		A . .
914	36.5	+64 19	7.2	*7.50*		A . .
2544	36.6	+38 56	7.4	8.12	3665,3680	10,*11*
2484	36.6	+10 58	7.0	*6.33*		. A .
2601	36.6	− 0 54	2.8	*2.94*		. *06*,06
3442	36.6	−19 12	6.2	*6.01*		. . A
2320	36.7	+41 8	7.2	7.68	3660,3661	*05*,04
1941	36.8	+49 51	6.5	*7.07*		A . .
2485	36.8	+10 47	5.2	4.89	4044,4045,4417	06,*05*,00
3626	36.8	− 6 57	7.0	*7.21*		. A .
462	36.9	+76 28	7.2	7.29	3300,3304	06,*06*
2568	36.9	+ 7 22	6.0	5.50	3320,4417,4420	10,*03*,*08*
3557	37.0	−14 32	7.0	7.86	3302,3303	*05*,05
8063	37.1	−37 21	8.1	7.86	3301,3307,3672	*05*,12,*06*
1026	37.2	+63 16	6.5	5.78	3300,3304,4036	00,09,*10*
10070	37.4	−30 24	7.4	8.06	3301,3316,3672	*16*,22,*05*
1814	37.5	+46 25	6.8	*6.94*		. A .
2344	37.5	+34 14	7.0	6.62	3665,3680,4036	*11*,06,06
2319	37.7	+28 55	7.5	7.47	3337,3665	*17*,17
3341	37.8	− 3 30	7.5	7.78	3302,3303	02,*02*
10500	37.9	−24 26	7.5	6.94	3305,3315,4026	*12*,*09*,20
286	38.0	+84 12	7.0	*7.25*		A . .
1388	38.0	+57 32	7.5	7.48	3681,3684	03,*02*
7785	38.0	−39 38	6.9	6.50	3301,3307,3672	*03*,*01*,05
9397	38.2	−25 45	7.2	7.48	3305,3315	*20*,21
8377	38.2	−34 52	7.5	7.81	3301,3307,4027	03,06,*10*
3586	38.3	−13 18	7.0	6.86	4043,4417	*04*,05
8082	38.3	−37 9	7.1	7.50	3301,3307,3672	*17*,00,18
2383	38.4	+26 40	6.8	6.71	3665,3680,4036	06,00,*06*
2603	38.5	− 1 1	7.7	6.12	3317,4417	*10*,10
8155	38.5	−35 48	6.6	6.31	3301,3307,3672	*05*,*10*,14
3413	38.6	− 9 14	7.5	7.57	3302,3303	*01*,01
3353	38.6	−11 28	6.5	6.82	3302,3303,4043	01,03,*04*
8832	38.6	−27 47	5.9	5.94	3681,4432	20,*21*
1312	38.7	+61 42	6.5	6.50	3300,3304,3681,	*12*,*03*,*02*,
					3684,3687,3692,	15,*04*,*11*,
					3693,3694,3696,	12,10,08,
					3699,3705,3707,	*02*,07,04,
					3710,3712,3713,	04,*22*,05,
					3715,4036	*02*,*14*
2385	38.7	+26 12	7.5	7.56	3337,3665	*06*,07
3685	38.7	−12 35	7.0	*7.00*		. A .
3694	38.7	−17 44	7.5	7.60	3302,3303	*14*,14
2334	38.8	+41 49	7.5	7.84	3660,3681	04,*04*
2451	39.0	+21 43	7.5	7.80	3665,3680	*07*,06
768	39.1	+66 29	7.3	7.48	3300,3304	*10*,09
3567	39.1	− 2 17	6.8	6.65	3302,3303,4043	*05*,11,*06*
	m.	° ′				
2305	39.4	+36 19	6.7	7.04	3665,3680	*05*,04
2506	39.4	+22 32	7.4	7.59	3665,3680	*05*,05
3527	39.5	−17 14	7.4	7.35	3302,3303	*09*,09
1650	39.8	+52 19	7.2	6.98	2247,3681,3684	*08*,06,02
2221	39.8	+44 39	6.1	6.23	3660,4417,4424,	29,*06*,*19*,
					4424,4431,4431,	*03*,09,01,
					4432	*08*
2253	39.8	+43 39	6.7	7.19	3660,3681	*02*,02
3478	39.8	− 7 59	7.3	7.67	3302,3317	*11*,11
9685	39.9	−28 13	7.2	6.77	3305,3315,3672,	T,*27*,10,
					3681,3692,4027,	05,*03*,*01*,
					4036,4045,4431,	06, R,22,
					4432	*09*
8069	40.1	−36 54	7.5	7.54	3301,3307,4027,	12,08,*18*,
					4036,4049,4051,	*11*, R,*01*,
					4431,4432	13,*03*
2148	40.2	+27 57	7.5	7.53	3665,3680	05,*05*
3349	40.2	− 3 20	8.0	6.84	3302,3317,4043	*04*,*02*,07
2570	40.3	+39 50	6.1	6.03	3665,4420,4432	00,02,*02*
3560	40.3	−19 36	7.5	7.47	3302,3303	*03*,03
1817	40.4	+45 58	5.5	5.56	3681,4417,4432	*02*,06,*04*
3351	40.4	− 4 16	7.3	7.39	3302,3317	*01*,01
2504	40.5	+14 55	8.0	6.53	4043,4044,4045	*15*,02,12
2321	40.6	+30 19	7.5	7.97	3665,3680	11,*11*
2639	40.6	+ 8 13	6.0	5.25	3324,4417,4420	*04*,*15*,18
3711	40.6	−21 13	7.5	7.12	3305,3315	*02*,02
3600	40.6	−22 5	7.5	7.60	3305,3315	*12*,11
2350	40.9	+34 6	7.2	7.52	3665,3680	12,*11*
3704	41.1	−17 40	7.3	7.35	3302,3303	01,*01*
2468	41.3	+10 6	6.4	*5.84*		*15*, . 15
3361	41.3	−11 16	7.0	6.89	3302,3303,4043	*06*,06,01
8912	41.3	−32 46	6.3	6.08	3301,3316,3672	*11*,*04*,14
2493	41.6	+24 41	6.5	6.74	4036,4043	*10*,09
2533	41.6	+17 8	5.2	*5.33*		. 08,*08*
402	41.8	+81 10	6.3	*6.26*		*03*, . 02
3424	41.9	− 8 40	7.3	7.72	3302,3317	*26*,26
2055	42.0	+47 55	7.5	8.00	3681,3684	*03*,04
2669	42.0	+ 9 36	7.9	*7.17*		A . .
2660	42.0	+ 6 30	6.7	*6.39*		. A .
2258	42.1	+43 42	7.3	7.90	3660,3681	*14*,15
2544	42.1	+14 10	7.5	7.76	3320,3321	09,*08*
3465	42.1	−18 27	6.3	7.22	3302,3303	*08*,08
2420	42.2	+16 9	7.3	6.68	3320,3321,4043	07,00,*07*
2512	42.2	+12 30	6.5	*6.12*		. *02*,02
1654	42.3	+52 9	7.4	7.90	3681,3684	04,*03*
395	42.4	+80 28	7.4	*7.70*		A . .
3569	42.4	− 5 45	6.3	6.27	3302,4045,4417	01,*01*,01
3366	42.5	−12 2	7.5	7.49	3302,3303	*06*,06
10539	42.5	−24 28	7.2	6.86	3305,3315,4026,	*14*,*01*,07,
					4431	08

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
8624	42.5	−33 31	7.5	7.93	3301,3672,3681, 4431,4432	*08*,*03*,*05*, 29,*14*
10540	42.6	−24 18	6.4	6.29	3305,3315,4026	*07*,06,02
2607	42.8	+19 35	7.4	7.64	4043,4044,4045	02,10,*12*
2653	42.8	+ 4 7	6.7	6.44	4043,4044,4045	*11*,03,09
1568	42.9	+53 24	7.3	7.69	3681,3684	*02*,02
1034	43.0	+63 20	6.0	5.81	3300,3304,4420	*03*,*24*,27
2329	43.0	+30 5	6.8	*7.11*		A . .
2608	43.0	+19 23	7.0	*7.40*		30, . *29*
2495	43.1	+24 39	7.1	*7.31*		A . .
9340	43.2	−27 3	6.0	5.72	3305,3316,3324	*07*,*01*,09
1948	43.3	+50 42	6.5	6.77	3684,4417,4432	17,06,*23*
2761	43.3	+19 52	7.5	*7.85*		A . .
2546	43.3	+14 6	6.5	*6.43*		A . .
3581	43.3	−15 10	7.5	*8.11*		A . .
2409	43.4	+30 56	6.8	7.74	3665,3680	01,*02*
764	43.5	+67 20	5.3	5.53	3300,4420,4432	05,*19*,13
2340	43.6	+42 31	7.5	8.62	3681,3684	04,*04*
2410	43.6	+31 18	7.0	8.02	3665,3680	00,01
3452	43.7	−22 42	7.5	7.86	3305,3315	09,*08*
1569	43.8	+52 59	6.5	7.03	3684,3692	06,*06*
3429	43.8	− 8 40	7.3	7.57	3302,3317	*01*,01
2568	43.9	+25 24	6.0	6.23	3337,3687,4036	*03*,04,00
2549	43.9	+14 41	5.9	5.61	3320,4420	04,*04*
2518	43.9	+12 38	7.3	7.07	3320,3321	13,*12*
630	44.1	+71 29	7.0	7.32	3300,3304	*14*,15
2163	44.1	+49 1	6.0	6.15	4036,4044,4045	*16*,06,10
2341	44.1	+42 7	7.5	8.57	3681,3684	09,*09*
8442	44.1	−34 15	7.2	7.54	3307,3316,3672	*02*,02,*01*
1320	44.3	+60 52	6.0	5.76	3343,4420,4432	00,*05*,05
2261	44.4	+42 46	7.5	8.38	3681,3684	04,*04*
2153	44.4	+28 6	6.2	5.77	3680,3687,4420, 4420,4424,4424, 4432	*09*,*21*,17, 02,13,*12*, 07
3656	44.5	− 6 20	7.5	7.62	3317,3320	*02*,02
3587	44.5	−14 32	6.8	*7.02*		A . .
3543	44.5	−15 20	6.5	*7.01*		A . .
1257	44.7	+61 55	7.5	7.26	3304,3343	*09*,10
2568	44.9	+38 55	7.5	8.17	3665,3680	13,*13*
2176	44.9	+26 58	7.3	6.89	3680,3687,4036	*16*,00,15
3659	44.9	− 7 5	7.0	6.87	3317,3320,4043	03,17,*19*
9950	45.0	−30 2	7.4	7.57	3316,3324,3672	01,02,*02*
2165	45.1	+49 18	6.5	6.58	4036,4043,4044, 4045	16,02,*10*, *06*
3707	45.2	−12 29	7.3	7.56	3303,3317	09,*10*
8169	45.2	−37 23	7.5	8.01	3307,3672,3681	*03*,12,*10*
2502	45.3	+23 24	6.5	6.46	3680,3687,4036	*05*,00,04
8653	45.3	−33 27	5.3	4.90	3300,3301,3307, 3316,3338,3672, 3692,3693,3694, 4049,4432	33,*05*,*04*, 02,*28*,*05*, 11,*22*, R, 12,01
2373	45.4	+38 4	6.0	5.90	3665,4420,4432	13,*03*,*10*
1556	45.6	+55 18	7.0	7.18	3684,3692	05,*04*
2281	46.2	+32 0	7.5	7.72	3680,3687	*03*,02
2612	46.2	+19 43	7.0	*7.35*		A . .
3569	46.2	− 9 47	6.5	6.63	4043,4045	16,*16*
10168	46.3	−30 32	7.3	7.37	3307,3316,3672	*10*,08,01
10169	46.4	−30 39	6.8	6.89	3307,3316,3672	*12*,*04*,15
2703	46.5	+ 3 36	7.2	*6.12*		. *02*,03
8468	46.5	−34 32	7.1	7.11	3307,3316,3672	*11*,*07*,18
7879	46.5	−39 8	6.6	5.94	3307,3324,3672, 4036,4431	*08*,07,*02*, *07*,11
9369	46.6	−26 12	6.3	*6.08*		. 06,*06*
1037	46.7	+63 31	7.5	7.16	3304,3343	01,00
2265	46.7	+43 0	7.5	8.46	3681,3684	05,*04*
1954	46.8	+49 48	7.5	*7.77*		A . .
2156	46.8	+28 5	5.0	5.08	3680,4420,4420, 4424,4424,4432	*02*,11,10, *09*,*16*,03
2399	47.0	+26 13	7.5	7.62	3680,3687	12,*12*
2613	47.0	+19 42	6.8	*7.15*		A . .
2551	47.2	+17 37	6.3	*6.53*		. 09,*09*
3462	47.2	−22 35	7.0	7.42	3305,3315	*07*,06
2553	47.4	+17 40	7.2	*6.92*		. 04,*05*
2430	47.4	+16 40	6.5	6.25	3320,3321,4043	10,*07*,*02*
8062	47.7	−38 51	7.5	6.87	3307,3324,3672, 4431	*07*,03,*12*, 15
9983	47.8	−29 28	7.5	7.70	3305,3315	15,*16*
3596	47.9	−14 25	7.5	7.61	3302,3317,4417	*20*,13,08
7893	47.9	−39 38	4.4	4.37	3300,3301,3307, 3337,3338,3681, 3693,4051,4074, 4432	07,20,12, 13,*36*,08, *10*,*46*,*03*, 35
3593	48.1	− 3 0	6.2	6.12	4043,4417,4432	*21*,20, R
2187	48.2	+27 20	7.5	7.66	3680,3687	*04*,05
289	48.3	+83 58	6.5	*5.95*		R, . A
290	48.4	+83 57	5.5	5.13	4424,4424	*15*,15
2519	48.4	+21 48	5.2	*5.11*		. . A
3445	48.4	− 8 31	7.5	*7.83*		. A .
3373	48.5	− 3 41	6.7	6.46	3317,3320,4043	06,*17*,10
9772	48.5	−28 46	7.5	7.58	3305,3315	10,*11*
2772	48.6	+20 2	6.5	6.57	4036,4043	*09*,09
3726	48.7	−17 30	7.0	6.84	3303,3317,4043	00,06,*06*
1998	48.8	+47 12	7.0	7.56	3684,3692	13,*13*
2614	48.8	+19 37	7.5	7.04	3302,3696	*16*,17
8914	48.8	−27 25	7.1	7.18	3305,3315	*16*,15
2602	48.9	+12 58	6.0	6.42	3320,4043,4044	*07*,18,*12*
2314	49.0	+36 16	7.5	8.14	3665,3680	13,*13*
2189	49.1	+27 19	7.5	7.10	3680,3687	*10*,09
3570	49.1	−11 6	6.0	6.04	3303,3320,4417	*09*,10,00
2349	49.2	+42 21	7.5	8.40	3692,3693	*02*,01

12^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3449	49.2	− 9 0	5.3	*5.02*		. . A
3597	49.2	−19 33	6.7	7.00	4043,4045	01,*02*
2369	49.5	+34 5	6.5	6.25	3665,3680,4432	*02*,05,*04*
1627	49.6	+56 30	2.0	1.44	4424,4424	*05*,06
2522	49.7	+22 39	7.0	6.97	3680,3687,4043	*02*,*07*,09
10601	49.8	−24 25	7.2	7.24	3305,3315	08,*09*
R	49.8	−42 22	. .	5.79	3300,3301,3307,3337,3693,4067,4074	02,*12*,*09*,*41*,28,28,03
3719	49.9	−12 54	7.0	7.01	3317,3320	03,*03*
2773	50.1	+20 10	7.0	7.68	4036,4043	08,*07*
10014	50.1	−29 31	6.9	6.67	3305,3315,4027	*12*,*03*,16
3375	50.2	− 3 58	7.3	7.24	3317,3323	*02*,01
2003	50.4	+47 45	5.8	6.08	3681,3684,4417,4432	02,22,*11*,*11*
2529	50.5	+12 2	7.3	6.95	3320,3321,4043	*05*,10,*04*
3002	50.5	+ 0 36	7.3	6.96	4043,4045	08,*08*
2669	50.6	+ 3 56	3.0	*3.62*		. *09*,10
3605	50.6	−14 47	6.2	6.10	3320,3323,4432	18,*20*,02
10217	50.6	−30 56	7.0	7.06	3316,3324,3672	*01*,*02*,02
2296	51.0	+32 32	7.2	6.93	3665,3680,3687	08,*04*,*05*
3497	51.0	−19 5	7.3	7.03	3317,3323	05,*05*
470	51.1	+75 57	6.8	*7.02*		A . .
3379	51.1	− 4 19	7.2	6.85	3317,3323,4043	05,*24*,18
9508	51.1	−25 55	6.9	6.86	3315,4431,4432	*07*,08,00
3608	51.2	−14 25	7.5	7.09	3317,3323,4043	*15*,*19*,35
1577	51.3	+53 17	7.5	8.38	3684,4036	*02*,02
2632	51.3	− 0 24	7.7	6.60	4043,4045	*04*,04
10822	51.3	−23 54	7.3	7.88	3305,3315	*06*,07
2580	51.4	+38 52	3.0	2.74	3687,4432,4442	01,00,00
778	51.5	+65 59	5.0	5.30	3300,3301,3303,3304,3305,3307,3315,3316,3320,3323,3327,3330,3337,3338,3343,3665,3684,3693,3694,3696,3699,3703,3705,3710,3712,3713,3714,3714,3715,4043,4044,4045,4049,4053,4063,4064,4067,4074,4077,4078,4380,4401,4419,4420,4431,4432,4442,4455	*12*,*13*,06,*03*,*23*,*03*,*03*,*13*,*06*,*04*,07,07,05,*16*,*14*,03,01,*12*,*08*,05,*40*,09,10,*11*,22,03,45,09,10,03,59,10,*18*,*10*,01,*05*,*23*,30,*13*,32,*15*,*21*,14,*24*,*15*,*11*,18,32
3395	51.5	−11 24	7.3	7.44	3317,3323	12,*11*
7937	51.6	−39 15	7.5	7.51	3307,3327,3672,3681,4027,4051	19,*18*,20,03,*17*,*09*
3634	51.8	−21 38	7.0	7.24	3305,3315	*06*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1556	51.9	+54 39	6.2	5.77	3681,4417,4432	22,08,*29*
9808	51.9	−28 19	7.5	7.25	3305,3315	05,*05*
3398	52.0	−11 31	6.7	6.51	3317,3323,4043	*15*,*08*,22
2234	52.1	+44 6	6.5	7.04	4036,4043	01,*02*
2696	52.1	+ 8 50	7.4	6.77	3320,3321,4043	*07*,*02*,08
3456	52.1	− 8 22	6.8	6.82	3317,3323,4043	06,*25*,20
3457	52.2	− 9 14	7.5	7.02	3317,3323,4043	06,*15*,10
3635	52.2	−22 13	6.3	6.40	3305,3315,4036	*12*,01,11
2604	52.4	+ 1 58	7.7	6.99	3320,3321,4043	*15*,04,11
3726	52.4	−12 16	7.5	8.14	3317,3323	02,*01*
780	52.5	+66 32	7.3	*6.82*		. A .
8129	52.5	−38 22	7.0	6.56	3307,3327,3672,3681,3692,4027,4036,4051	31,*32*,10,18,05,*05*,*13*,*15*
8130	52.5	−38 43	7.5	7.28	3307,3672,3681,3692,4027,4036,4051,4432	04,11,*09*,26,*11*,*02*,*16*,*03*
1833	52.6	+46 44	6.5	*6.27*		. . A
407	52.8	+79 1	7.0	7.68	3304,3443	05,*05*
3482	52.8	−22 31	7.2	6.86	3305,3316,4431	*01*,*04*,04
677	52.9	+69 8	7.5	7.36	3304,3343	*09*,10
2238	52.9	+44 21	7.5	*8.02*		A . .
3615	52.9	−14 27	7.1	7.20	4043,4045	10,*11*
703	53.1	+67 47	6.5	6.66	3304,3343,4036	*09*,*10*,18
369	53.2	+83 3	7.5	*7.19*		A . .
8329	53.2	−35 44	6.4	6.92	3307,3672	09,*08*
3705	53.4	− 6 25	7.0	7.70	3317,3323	00,01
8138	53.4	−38 34	7.4	6.60	3307,3327,3327,3672	24,*19*,*19*,15
3605	53.5	− 2 22	7.2	6.76	3317,3323,4043	*04*,*01*,04
3757	53.6	−21 0	6.8	6.76	4036,4049,4051	*04*,09,*04*
10043	53.6	−29 27	7.2	7.34	3305,3315	01,00
2348	53.8	+28 52	7.0	6.61	3680,3687,4036	14,*35*,21
2531	53.8	+22 35	6.8	7.28	3680,3687,4036	11,*16*,05
3605	53.8	− 5 33	7.3	*7.25*		A . .
2170	53.9	+28 0	7.5	7.82	3680,3687	05,*05*
2682	54.0	+17 57	4.8	4.92	3321,4420,4424,4424	*04*,*03*,08,01
2598	54.3	+40 22	6.8	6.74	4043,4044,4045	*10*,*04*,14
2600	54.3	+ 7 3	7.5	7.32	3320,3321	08,*07*
913	54.4	+65 27	7.0	6.56	3304,3343,4036	11,*10*,*01*
1268	54.4	+62 15	6.8	7.16	3304,3343	11,*10*
680	54.5	+69 14	7.2	7.42	3304,3343	05,*06*
3384	54.5	− 3 16	6.2	5.75	3320,3323,4417	04,*10*,05
3612	54.5	−19 45	7.5	*7.39*		A . .
8348	54.6	−35 38	6.9	6.96	3307,3327,3327,3672	07,*04*,*14*,13
2171	54.8	+28 37	7.3	7.09	3680,3687	02,*02*
2496	54.8	+10 3	7.3	6.80	4043,4045	02,*02*
10850	54.8	−23 22	7.2	7.26	3305,3315	*11*,12

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	'				
2345	55.1	+41	1	7.5	7.93	3684,3692	05,*05*
9085	55.1	−32	30	6.7	6.53	3316,3324,3672	04,*02*,*02*
9083	55.1	−32	58	6.4	6.05	3316,3324,3672	*11*,12,*02*
3635	55.2	−13	22	7.3	7.32	3317,3323	02,*02*
8753	55.2	−33	38	7.5	8.22	3316,3324,3672	07,06,*12*
2310	55.3	+32	38	7.5	7.82	3665,3680	11,*11*
3466	55.3	− 8	34	7.5	7.08	3317,3323	00,*01*
2391	55.4	+35	27	7.5	7.72	3665,3680	14,*15*
2532	55.4	+22	6	7.3	7.54	3680,3687	*01*,02
638	55.5	+71	8	7.2	7.12	3304,3343	*05*,04
2392	55.5	+35	31	7.5	7.89	3665,3680	03,*03*
2434	55.5	+31	20	5.2	4.99	3665,3680,3687	04,02,*07*
3609	55.5	− 2	50	6.3	6.12	3317,3323,3337,	10,*27*,*02*,
						4424,4424	16,01
9088	55.6	−33	5	7.3	6.75	3316,3324,3672	*01*,02,*02*
2311	55.7	+32	18	6.8	6.72	3665,3680,4036	07,*09*,03
2622	55.7	+18	55	6.5	*6.12*		*02*, . 02
2522	55.8	+24	11	7.5	8.07	3680,3687	11,*11*
473	55.9	+76	0	6.0	6.18	3343,4420,4432	T,*10*,09
3751	55.9	−17	36	7.0	7.66	3317,3323	04,*04*
3617	55.9	−20	14	7.2	*7.03*		A . .
2702	56.1	+ 4	53	7.3	7.13	3699,3712,3713	*04*,*06*,09
10027	56.1	−32	1	7.7	7.80	3316,3324,3672	20,*14*,*06*
773	56.2	+67	8	5.8	*5.37*		. . A
2583	56.2	+24	51	7.4	*7.86*		A . .
2573	56.2	+17	40	6.7	*6.01*		. 04,*04*
10862	56.2	−24	8	7.0	7.02	3305,3315,4036	*10*,03,06
8177	56.2	−39	5	7.0	6.61	3307,3327,3672	*03*,01,01
10278	56.4	−30	18	7.2	7.48	3316,3324,3672	00,01,*02*
1408	56.5	+56	55	5.0	5.00	3692,4417,4432	*01*,04,*03*
1586	56.7	+53	4	7.0	7.63	3684,3692	01,*01*
2537	56.7	+21	48	7.0	7.20	3680,3687	05,*05*
8984	57.0	−27	45	6.9	6.81	3305,3315,4036	11,*08*,*03*
9853	57.0	−28	44	6.9	6.91	3315,3316,4036	*04*,22,*18*
3418	57.1	−11	34	7.3	7.34	3317,3323	12,*11*
2529	57.2	+11	30	8.0	2.77	3320,3696,4420	03,07,*11*
1410	57.4	+57	29	7.2	7.54	3684,3692	26,*27*
3588	57.6	−16	21	7.5	7.19	3317,3323	13,*13*
3757	57.6	−17	54	7.5	7.96	3317,3323	14,*14*
8783	57.6	−33	45	7.3	7.63	3316,3672,3681	16,*10*,*06*
2396	57.7	+37	52	7.0	*7.97*		. A .
2528	57.7	+24	2	6.8	*7.61*		A . .
2296	57.8	+32	58	7.5	7.50	3680,3687	14,*13*
2528	57.8	+23	30	7.5	7.99	3680,3687	03,*03*
927	57.9	+64	9	6.0	6.05	3300,3301,3303,	13,*08*,01,
						3304,3305,3316,	12,*28*,*28*,
						3320,3324,3327,	*01*,*10*,02,
						3330,3343,3665,	12,*29*,*20*,
						3680,3684,3693,	*11*,06,*21*,
						3694,3696,3703,	*13*,09,00,
						3707,3710,3712,	03,*07*,06,
						3713,3714,3714,	09,30,*06*,
						3715,4049,4051,	04,06,14,
						4053,4063,4064,	12,*02*,*21*,
						4067,4077,4078,	19,02,28,
						4087,4398,4401,	12,02,*07*,
						4419,4420,4431,	10,*07*,*18*,
						4432,4455,4458	*05*,35, R
9862	58.0	−29	8	7.2	7.35	3315,3316	*08*,08
8203	58.0	−38	25	7.5	7.61	3307,3327,3672	23,*30*,07
2530	58.1	+23	10	6.7	6.83	3680,3687,4036	05,*11*,07
2531	58.2	+23	44	7.0	7.54	3680,3687,4036,	*03*, R ,32,
						4043,4044,4045,	*03*,04,*06*,
						4432,4442	*11*,*11*
8790	58.3	−33	43	7.1	7.06	3316,3327,3672	23,*19*,*03*
2531	58.4	+24	21	6.5	*7.21*		A . .
2709	58.4	+ 5	26	8.8	8.60	3699,3713,3713	03,*05*,02
3629	58.4	−20	3	6.1	5.56	3330,4431,4432	00,05,*04*
9581	58.4	−25	16	7.8	7.64	3315,3316	*12*,13
1802	58.5	+51	33	7.4	8.18	3684,3692	07,*06*
10882	58.5	−23	59	7.2	7.62	3315,3316	*17*,18
1439	58.6	+60	16	6.5	6.37	3684,3692,4417	*02*,*17*,18
412	58.7	+81	24	7.0	*7.30*		A . .
3621	58.7	− 2	41	7.5	7.32	3323,3337	*07*,08
3408	58.7	− 4	37	7.5	7.50	3317,3323	00,01
3622	58.8	− 3	8	6.7	6.55	3323,3337,3338,	*40*,*15*,*18*,
						4049,4051,4053,	20,26,03,
						4455	24
9585	59.0	−25	57	7.5	7.56	3315,3316	03,*02*
9006	59.0	−27	52	7.1	6.90	3315,3316,4036	*10*,06,04
2445	59.1	+31	33	7.5	7.38	3680,3687,4036,	04, R ,06,
						4043,4044,4045,	*13*,*15*,03,
						4432,4442	11,01
2710	59.1	+ 5	43	8.6	8.79	3699,3712,3712,	*15*,*16*,*21*,
						3712,3713,3713,	53,*01*,*01*,
						3713	01
2540	59.2	+22	25	7.4	7.76	3680,3687	20,*20*
2296	59.4	+43	32	6.0	7.08	3692,4417	00,00
9129	59.4	−32	36	7.5	8.11	3316,3330,3672	*04*,03,00
3771	59.5	−20	59	7.5	7.21	3315,3316	*07*,07
187	59.7	+86	25	7.0	*7.75*		A . .
2786	59.7	+ 0	50	7.7	*7.19*		A . .
1565	0.0	+54	29	7.5	*7.46*		A . .
2618	0.1	+39	51	7.2	*7.82*		A . .
1566	0.4	+54	23	7.5	*7.61*		A . .
3768	0.5	−17	44	6.8	7.05	3317,3323,4049,	*05*,*23*,15,
						4051	12
2578	0.6	+13	46	7.4	7.56	3320,3321	09,*08*
3651	0.6	−13	35	6.8	7.23	3317,3337,3713	*09*,08,00
2690	0.7	+ 4	38	7.8	7.97	3699,3712,3713	*01*,*08*,09

13^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2337	1.1	+36 20	5.5	4.93	3680,3687,4432, 4442	08,*33*,17, 08
2621	1.2	+40 8	7.0	7.54	4036,4432	27,*26*
3644	1.2	−14 23	7.3	7.21	3317,3337,3696, 3712,4049,4051, 4053,4063,4431, 4432	T,10,*14*, 00,*01*,22, *01*,*28*,11, 05
10336	1.2	−31 4	6.9	6.91	3307,3327,3681	*04*,*15*,19
2084	1.3	+48 19	7.2	7.38	3684,3692	*01*,00
8319	1.3	−37 1	7.5	7.99	3307,3327,3672	11,*16*,06
1847	1.4	+45 48	6.0	5.67	3693	A
2487	1.4	+21 42	6.0	*6.01*		. . A
8441	1.4	−35 19	6.0	5.68	3302,3307,3327, 3330,3672,3681, 3696,3705,4026, 4067,4078	10,*13*,*13*, *03*,15,*07*, *03*,*32*,11, 15,24
2365	1.5	+29 34	6.8	6.37	4036,4043	04,*04*
2538	1.5	+23 9	5.8	*5.74*		. . A
2537	1.5	+22 48	6.5	*6.64*		. . A
8823	1.5	−33 35	7.2	7.22	3327,3330,3681	*22*,17,06
583	1.7	+73 33	6.0	*6.33*		. . A
2355	1.7	+41 27	7.0	7.40	3684,3692	*01*,01
10143	2.2	−29 54	7.3	7.55	3315,3324	*04*,04
1417	2.3	+57 33	7.0	7.50	3684,3692	09,*08*
2789	2.3	+ 1 8	7.2	7.18	3320,3321	16,*15*
1275	2.4	+62 35	6.0	6.34	3304,4420,4432	*07*,13,*07*
2185	2.4	+28 10	5.1	*4.90*		. . A
3543	2.5	−18 30	7.5	7.67	3317,3337	11,*11*
2403	2.6	+37 48	7.5	*8.10*		. A .
2217	2.7	+27 3	7.5	7.60	3680,3687	12,*12*
3628	2.7	−10 12	5.8	5.19	3317,3338,4063	09,*14*,06
8459	2.8	−35 41	7.1	6.79	3307,3327,3672	02,*11*,10
8397	3.0	−37 34	7.5	7.80	3307,3327,3672	15,*03*,*11*
2187	3.2	+28 4	6.8	6.42	3693,4045,4442, 4455	*02*,04,00, *02*
2599	3.2	+25 21	6.8	6.88	4043,4045	*17*,18
3513	3.2	−22 34	6.9	6.76	3315,3316,4026	*08*,*14*,21
3491	3.3	− 8 27	5.5	5.59	3317,4431,4432	*01*,06,*05*
3615	3.3	−11 14	7.3	7.38	3337,3338	08,*09*
2300	3.4	+42 54	7.1	7.98	3684,3692	00,01
1676	3.5	+52 19	7.5	8.19	3684,3692	04,*04*
9170	3.5	−32 58	7.2	7.22	3327,3330,3681	*09*,00,09
8846	3.5	−33 49	7.5	7.85	3327,3330,3681	*08*,01,08
2607	3.6	+39 18	7.5	*7.04*		A . .
3515	3.6	−22 35	5.0	5.04	3315,3316,3343	04,*02*,*02*
2301	3.7	+43 44	6.8	7.81	3684,3693,4053	04,*02*,*03*
2697	3.8	+ 5 46	6.8	*6.91*		. A .
3495	4.0	− 9 0	7.0	6.44	3317,3323,3327, 3330,3337,3696, 3699,3712,4036, 4036,4049,4049, 4051,4051,4063, 4063	*16*,*37*,*13*, *01*,*13*,10, 01,04,02, *02*,08,*01*, 28,00,24, 13
600	4.1	+71 56	7.0	7.64	3304,3692	03,*04*
2369	4.1	+37 46	7.5	8.54	3687,3693	*07*,06
2642	4.2	+19 10	7.5	7.12	3320,3321	03,*04*
3641	4.2	−19 35	7.5	7.17	3317,3337	11,*11*
8472	4.2	−35 38	7.5	7.73	3307,3327,3672, 3681	06,04,00, *11*
8473	4.2	−36 0	7.3	7.54	3307,3327,3672	15,*19*,03
2516	4.3	+10 33	6.7	5.92	4043,4458	*17*,17
3660	4.3	−21 38	7.4	7.33	3315,3316	*02*,02
3608	4.4	−15 59	6.8	6.71	4049,4051,4053	08,*12*,05
3750	4.5	− 7 7	7.2	7.38	3323,3337	*17*,18
3636	4.5	− 9 48	6.5	6.16	3323,4431,4432	01,04,*04*
3521	4.7	−22 52	7.5	7.80	3315,3316	08,*08*
2595	4.8	+17 22	6.8	6.18	3320,3321,4043	07,00,*08*
3430	4.8	− 5 0	4.3	*4.38*		05, . *06*
10121	4.8	−31 34	7.5	7.48	3327,3330,3681	*06*,02,04
3522	4.9	−23 5	7.5	7.45	3315,3316	03,*03*
10124	4.9	−32 1	7.5	7.96	3327,3330,3681	*07*,*09*,15
2407	5.0	+37 57	6.0	6.07	3680,3693,4442	*04*,09,*06*
1818	5.1	+51 41	7.5	8.40	3684,3692	04,*03*
2611	5.1	+39 4	6.3	*6.16*		11, . *10*
2697	5.1	+18 4	5.0	*4.51*		. 17,*17*
8301	5.2	−38 57	7.5	7.83	3307,3327,3681	*05*,*01*,06
2613	5.4	+39 15	7.0	*7.04*		. A .
2371	5.4	+37 41	7.5	8.36	3680,3687	16,*15*
7648	5.4	−41 42	6.1	5.77	3301,3302,3307, 3672,3696,4067, 4078	*19*,35,00, 13,*02*,17, *42*
1419	5.5	+57 22	6.8	7.01	3684,3692,4053	02,*05*,04
2614	5.5	+39 2	6.2	6.00	3680,4442	08,*08*
R	5.6	−42 50	. .	5.45	3301,3302,3307, 3672,3684,3696, 4067,4078	*06*,31,09, 08,*19*,*03*, *10*,*12*
3612	5.7	−16 33	7.2	7.02	3337,3338	04,*04*
2584	5.8	+13 51	7.0	7.26	3320,3321	09,*08*
1056	5.9	+62 47	6.4	6.49	3304,3692,4053	*22*,08,14
8709	5.9	−34 36	6.9	6.66	3327,3330,3343, 3681	*05*,*06*,08, 02
2344	6.0	+36 28	7.5	7.96	3680,3687	12,*11*
2550	6.0	+21 46	7.0	*6.72*		. . A
3663	6.0	−13 42	7.5	7.72	3337,3338	*01*,02
2414	6.1	+34 51	6.8	6.95	4043,4045	01,*01*
2585	6.1	+14 28	7.5	*7.89*		A . .
3665	6.1	−13 25	7.0	7.02	3337,3338	*01*,02
9653	6.3	−26 1	6.6	6.49	3324,3330,4417	*14*,03,12
3627	6.5	−10 41	7.0	*7.01*		A . .
8437	6.5	−37 16	5.8	4.98	3302,3316,3324,	01,19,07,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3327,3672,3681,3684,3696,3705,4026,4027,4067,4074,4078	*18*,*08*,05,05,04,*04*,*07*,*11*,17,04,*09*
2552	6.7	+22 28	7.1	*6.83*		. . A
3613	6.7	−15 39	5.7	5.10	3337,4049,4051	*24*,14,09
3787	6.8	−20 20	7.5	*7.98*		A . .
8105	6.9	−39 10	7.5	7.72	3307,3327,3672,3681,3692,4026,4027,4036	24,*43*,12,09,*02*,29,*09*,*20*
2364	7.0	+41 21	6.7	*7.34*		. A .
8720	7.0	−34 12	7.5	7.57	3327,3330,3681	*23*,06,18
2193	7.2	+28 23	5.0	*4.27*		. . A
2327	7.3	+32 39	6.7	6.66	3680,3687,4043	18,*15*,*04*
2610	7.3	+24 48	6.5	6.50	4043,4045	10,*11*
2476	7.3	+16 40	7.3	7.42	3320,3321	13,*14*
10156	7.3	−31 20	6.9	6.64	3327,3330,3330	*22*,06,16
10411	7.4	−30 11	7.4	7.95	3330,3343,3681	01,*07*,06
1057	7.6	+63 42	7.5	7.48	3304,3692	*01*,00
2565	7.6	+12 5	6.0	*5.91*		. . A
2668	7.6	− 1 13	7.8	7.37	3323,3337,3338	*12*,23,*10*
2648	7.7	+19 17	6.5	*6.58*		12, . *13*
2809	8.0	+20 28	7.5	7.42	3687,3698	*15*,16
2701	8.0	+18 42	neb.	R	3330,3338	R, R
3779	8.1	−12 56	7.3	7.52	3337,3338	*01*,02
3562	8.1	−18 18	6.3	6.23	3338,3712,4049,4051	*11*,08,07,*03*
3651	8.2	− 2 57	7.5	7.32	3323,3337	*07*,08
8742	8.2	−34 9	7.4	7.44	3327,3330,3681	*30*,19,12
2311	8.3	+43 9	6.5	6.91	3692,3693,4053	04,*03*,00
2586	8.3	+13 57	7.5	7.42	3320,3321	03,*04*
9676	8.3	−25 59	7.5	8.40	3315,3330	*01*,02
2649	8.4	+19 15	6.3	*6.35*		*05*, . 05
1685	8.5	+52 26	7.1	7.22	3692,3693	05,*04*
2620	8.5	+38 50	6.8	6.89	4043,4045,4455	08,*04*,*04*
2706	8.5	+ 3 50	9.3	9.84	4419,4419,4419,4419	09,*26*,01,16
3651	8.8	−19 24	6.2	*5.62*		*17*,17,*01*
2646	8.9	+ 1 59	7.0	6.76	3320,3321,4043	*02*,*03*,04
3671	8.9	−13 45	7.5	7.68	3337,3338	*07*,06
2383	9.0	+37 25	6.5	6.69	3680,3687,4043,4455	12,*25*,11,02
8461	9.0	−38 7	7.2	7.10	3330,3343,3672	11,06,*16*
2311	9.1	+33 4	7.0	6.75	3680,3687,4043	15,*15*,01
2439	9.1	+26 15	7.3	7.36	3687,3693	02,*02*
10974	9.1	−23 45	6.9	6.65	3315,3316,4026	*10*,04,06
2633	9.2	+40 41	5.0	5.05	3687,4419,4442,4446,4455	21,*08*,*20*,09,*03*
8911	9.3	−34 6	7.1	7.23	3327,3330,3330	*09*,10,00
1425	9.5	+57 14	7.0	6.74	3692,3693,4053	*03*,06,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2572	9.5	+11 52	6.4	*5.87*		. 06,*06*
3646	9.5	− 9 50	7.5	*7.21*		A . .
8547	9.5	−35 50	6.7	6.41	3330,3343,3672	*02*,02,00
717	9.6	+67 52	7.0	6.99	3304,4420,4424	*12*,*01*,12
10214	9.6	−29 39	7.3	7.88	3315,3324	*14*,15
8422	9.6	−36 54	7.4	7.89	3330,3343,3672	*01*,23,*22*
3635	9.7	−10 50	7.5	6.90	3337,3338,4049,4051	*04*,*11*,09,06
3636	9.7	−10 49	8.6	7.84	3337,3338,3712,3713,3714,3715	32,*25*,*18*,03,*08*,15
8914	9.7	−33 37	7.3	7.27	3327,3330,3343	*20*,09,12
2728	10.0	+ 5 3	7.5	*7.51*		A . .
720	10.1	+67 49	6.7	6.69	3304,4420,4424	*12*,10,02
2654	10.3	+19 26	7.0	6.61	3321,4049,4063	*03*,00,02
2486	10.4	+16 43	7.5	7.56	3320,3321	*01*,02
2352	10.5	+35 58	6.8	6.68	3680,3687,4043,4455	03,19,01,*24*
3653	10.5	−19 25	6.1	*5.30*		*10*, . 11
3469	10.6	−11 49	7.0	7.38	3337,3338	*02*,01
587	10.7	+73 20	6.8	6.43	3304,3692,4053	00,*10*,10
2690	10.8	+ 8 30	7.0	*6.89*		. A .
3452	10.8	− 5 8	7.5	*7.75*		A . .
2385	10.9	+29 17	7.5	*7.36*		A . .
2374	11.0	+41 23	6.0	*5.63*		. . A
3470	11.0	−12 5	7.5	8.00	3323,3337	03,*04*
2564	11.2	+21 55	7.5	7.18	3687,3698	*22*,23
404	11.3	+80 11	7.5	*7.52*		A . .
2674	11.3	− 0 52	7.2	6.49	3323,3338,4049,4051	*14*,*02*,17,*01*
10457	11.3	−30 59	5.7	5.26	3321,3324,3330,3681,3684,3696,3705,4026,4064,4067,4074,4078,4398	09,*02*,17,32,*04*,*03*,*36*,17,*19*,*09*,*08*,01,04
2655	11.4	+19 36	7.1	6.47	4043,4049,4063	17,*02*,*15*
2627	11.4	+ 7 2	7.0	7.22	3320,3321	08,*07*
10233	11.4	−30 4	7.4	7.40	3330,3681,4026	*04*,07,*04*
R	11.4	−43 27	. .	5.74	3672,3684	02,*02*
416	11.5	+81 0	6.3	*6.32*		*09*, . 08
2708	11.6	+17 50	7.5	7.62	3320,3321	23,*24*
3776	11.6	− 6 24	7.4	8.16	3323,3338	*05*,05
2814	11.7	+20 19	6.8	*6.30*		05, . *05*
3785	11.7	−12 38	7.0	7.68	3337,3338	*02*,01
2657	11.8	+19 26	7.2	6.76	4043,4049,4063	*16*,05,12
2531	11.8	+ 9 56	6.0	*5.26*		*04*,16,*12*
2653	11.8	+ 1 46	7.5	7.38	3320,3321	*04*,05
2611	11.9	+17 34	7.0	6.55	3320,3321,4043	10,*07*,*03*
8459	12.0	−36 29	7.3	7.28	3327,3330,3681	*09*,*07*,17
3644	12.1	−10 57	6.8	6.53	4049,4051,4053,4063	04,06,*05*,*06*

13^{h}

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
3654	12.2	−10	1	7.0	*7.22*		*16*,16, .
3683	12.2	−15	1	6.7	6.81	4049,4051,4053	04,*01*,*03*
10242	12.2	−29	52	8.1	8.34	3696,3699,3707,	18,10,24,
						4036,4036,4051,	*06*,*16*,*07*,
						4051,4067,4067	*09*,12,*30*
2591	12.3	+14	12	5.5	*5.40*		. 12,*13*
3040	12.4	− 0	9	6.7	6.32	4049,4051,4063	*04*,11,*06*
800	12.5	+66	14	7.5	7.40	3304,3692	17,*18*
3582	12.5	− 8	12	6.7	7.06	3323,3338	01,*01*
2320	12.6	+33	2	7.5	7.68	3680,3687	03,*04*
2468	12.6	+31	9	7.5	8.13	3680,3687	03,*03*
2722	12.6	+ 6	0	5.2	4.96	3320,4458	*06*,05
2593	12.7	+14	18	7.8	*7.29*		A . .
9145	12.9	−27	48	7.0	6.98	3315,3324,4026	*05*,08,*03*
2380	13.1	+41	6	4.3	4.66	4442,4442	*05*,06
694	13.2	+68	56	6.0	6.17	3301,3302,3304,	00,11,*30*,
						3307,3317,3321,	*20*,*19*,*10*,
						3323,3324,3352,	*11*,*12*,09,
						3354,3356,3672,	31, R,08,
						3680,3684,3692,	*06*,03,*13*,
						3694,3696,3699,	01,12,07,
						3703,3705,3707,	*19*,*19*,01,
						3710,3711,3712,	*17*,*02*,*05*,
						3714,3715,3721,	*17*,*12*,08,
						3723,4051,4063,	34,*04*,*04*,
						4064,4074,4078,	09,04,23,
						4087,4092,4094,	25,26,01,
						4097,4398,4401,	15,*01*,*01*,
						4406,4419,4420,	24,*13*,*12*,
						4424,4442,4446,	*20*,*07*,*02*,
						4455,4458	*10*,13
3813	13.2	−17	45	5.0	4.84	3337,3338,4049	*03*,*12*,16
3669	13.4	− 5	44	7.5	*7.70*		A . .
3635	13.4	−16	36	7.2	7.37	3337,3338	*11*,11
2337	13.5	+32	10	7.5	7.78	3680,3687	24,*25*
3554	13.5	−22	39	3	*3.32*		. 10,*09*
9994	13.5	−28	16	7.4	7.81	3315,3324	*11*,11
418	13.6	+79	14	7.5	7.69	3692,3694	05,*05*
1437	13.6	+58	21	7.4	7.92	3692,3693	*01*,02
3486	13.6	−11	28	7.5	7.42	3337,3338	04,*03*
3487	13.7	−12	7	7.3	7.18	3337,3338	18,*19*
2721	13.8	+ 4	13	6.7	*6.69*		26, . *26*
2410	13.9	+34	37	6.2	*5.98*		04, . *05*
1994	14.0	+50	12	5.0	5.19	3692,3707,4424	*12*,29,*18*
2723	14.1	+ 4	15	7.7	*7.05*		. . A
2391	14.3	+29	7	7.5	7.04	3687,3693	*15*,16
2048	14.5	+47	40	7.5	8.02	3692,3694,3707	R,04,*03*
2435	14.5	+35	39	6.7	5.91	3680,4419,4442	11,*06*,*06*
3652	14.5	−11	9	7.7	7.12	3337,3338	*06*,07
723	14.9	+68	13	7.0	7.32	3692,3694,4077	00,*06*,05

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
8983	14.9	−33	8	7.2	7.80	3330,3343,3681	12,*06*,*06*
9650	15.0	−26	53	7.5	7.78	3315,3324	*02*,03
8497	15.0	−36	11	3.0	2.89	3317,3321,3324,	*13*,26,18,
						3327,3672,3681,	16,*11*,*23*,
						3684,3687,3705,	07,*01*,*06*,
						4064,4074,4078,	*20*,12,09,
						4398,4406	*03*,*06*
1862	15.1	+46	4	7.3	7.96	3692,3694	*18*,17
3655	15.1	−10	47	6.8	6.73	4049,4051,4063	*03*,*07*,11
2396	15.2	+36	54	7.0	7.68	3680,3687	22,*21*
2362	15.2	+36	38	6.9	7.19	3680,3687,4043,	37,*29*,05,
						4045,4053	*15*,03
2728	15.2	+ 3	48	7.5	7.04	3320,3321	*10*,09
2493	15.3	+16	6	7.0	7.26	3320,3321	09,*08*
11021	15.3	−23	15	7.5	7.25	3315,3316	*07*,07
2631	15.4	+38	55	7.5	8.12	3680,3687	21,*22*
2716	15.4	+18	18	7.3	7.01	3320,3321,4043	04,*13*,10
2431	15.5	+38	42	7.2	7.91	3687,4043	09,*09*
2736	15.6	+ 5	22	7.3	6.90	3320,3321,4043	*06*,*17*,24
3700	15.6	−21	51	7.3	7.23	3315,3316	*02*,02
8202	15.6	−39	28	7.1	7.39	3327,3330,3681	*06*,*10*,15
2758	15.7	+ 3	28	7.0	6.23	3320,3321,4043	*09*,*10*,19
11025	15.7	−23	57	7.2	7.12	3315,3316	*07*,08
2647	15.8	+40	41	5.5	5.73	3687,4419,4442,	36,*23*,*06*,
						4446	*08*
3669	16.0	− 9	29	7.3	7.01	3323,3338	*04*,04
3564	16.0	−22	16	7.0	7.13	3315,3316	*02*,02
2399	16.1	+37	12	7.0	8.23	3680,3687	08,*08*
3587	16.1	−18	58	6.3	6.18	3337,3338,4049,	*12*,*12*, R,
						4049,4051,4431,	R,27,*19*,
						4432,4445	10,04
8636	16.2	−35	35	7.3	7.36	3327,3330,3681	*04*,*04*,07
8461	16.2	−38	20	7.2	7.12	3327,3330,3681	02,06,*08*
2433	16.3	+38	5	7.0	8.54	3680,3687,3693,	03,*14*,*01*,
						3696,3699,3707,	*09*,*11*,*13*,
						4051,4051,4053,	*05*,12,*06*,
						4053,4063,4063	*07*,23,24
3829	16.4	−18	13	7.0	7.02	3337,3338	19,*20*
2265	16.5	+44	31	6.5	*6.58*		04, . *05*
1288	16.7	+61	56	7.5	8.03	3692,3694	*09*,09
2435	16.7	+38	23	6.8	6.86	3680,3687,4043	17,*19*,02
2664	16.7	+ 2	37	5.8	*5.58*		. . A
2111	16.8	+47	49	6.5	7.08	3692,3694	*09*,09
2498	16.8	+16	36	7.1	7.26	3320,3321	*01*,02
3498	16.8	−12	3	6.7	7.08	3337,3338	*02*,01
3692	16.8	−13	54	6.5	7.02	3337,3338	09,*08*
2635	17.0	+39	25	6.9	*7.22*		A . .
9759	17.0	−25	19	7.1	6.94	3315,3324,4026	*12*,06,06
2450	17.2	+26	31	7.5	7.72	3693,3699	11,*11*
2625	17.2	+25	25	6.8	7.01	4043,4045	16,*16*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2737	17.2	+ 5 41	6.5	5.94	4442,4458	*22*,23
3678	17.3	− 5 41	7.2	6.81	4049,4051,4063	21,*13*,*07*
3802	17.5	−12 40	7.4	7.52	3337,3338	04,*03*
9322	17.5	−32 40	6.8	6.44	3330,3343,3681	00,03,*04*
696	17.6	+69 38	7.1	*7.24*		A . .
2477	17.6	+30 49	6.7	6.92	3680,3687,4043	*03*,*03*,06
2519	17.6	+21 14	7.2	7.56	3693,3699	*01*,01
3650	17.6	−17 13	5.3	5.57	3337,4078,4431	04,04,*09*
8474	17.6	−39 6	7.3	7.21	3327,3330,3681	*09*,06,02
2269	17.7	+44 26	6.4	*6.40*		12, . *13*
2452	17.8	+26 38	7.7	7.54	3693,4043	11,*10*
3709	17.9	−14 24	7.5	7.78	3337,3338	*07*,06
946	18.0	+64 29	7.5	*7.40*		A . .
3469	18.1	− 4 24	6.0	6.01	3323,3352,3712,3713,3714	*20*,33,07,00,*19*
3818	18.5	−20 24	7.0	6.52	4026,4027	*04*,04
2765	18.6	+ 3 14	8.5	6.74	3320,3321,4043	20,09,*29*
8596	18.6	−37 31	7.5	7.27	3327,3330,3681	10,03,*13*
222	18.8	+85 17	7.0	*7.35*		A . .
2053	18.8	+47 31	7.0	6.92	3692,3694,4053	*09*,14,*05*
613	19.0	+72 24	7.5	7.49	3692,3694	01,*01*
2455	19.0	+26 4	7.1	7.38	3693,3699	13,*14*
1865	19.1	+46 38	7.3	7.78	3692,3694	*17*,17
9336	19.1	−32 9	7.5	7.91	3330,3343,3681	06,*11*,04
2671	19.2	+ 1 55	7.1	7.08	3320,3321	*04*,05
3462	19.2	− 3 47	7.0	7.07	3338,3343,4049,4063	*20*,*08*,37,*09*
9339	19.2	−32 56	7.5	8.77	3330,3343,3681	05,*13*,09
9021	19.2	−33 46	7.5	7.53	3330,3343,3681	*07*,06,00
3472	19.3	− 4 39	6.3	5.69	3338,3712,3713,3714	*18*,*06*,14,09
2404	19.4	+37 33	6.0	6.32	3687,4419,4442,4455	08,*03*,*07*,00
2663	19.5	+12 57	6.5	*6.50*		. A .
2346	19.8	+32 37	7.3	7.49	3680,3687,4043,4045,4053	06, R,04,*15*,06
1071	19.9	+63 19	7.5	7.98	3694,3703	08,*07*
1598	19.9	+55 27	2.0	*2.07*		. *11*,11
3672	19.9	−10 38	1	*1.20*		11,01,*11*
3550	20.1	− 8 16	7.2	7.66	3323,3338	01,*01*
2578	20.3	+24 22	5.5	5.66	3693,3699,4419	*06*,*02*,07
8869	20.3	−34 33	7.1	7.09	3330,3343,3681	01,05,*07*
8246	20.3	−39 14	5.9	5.29	3315,3316,3317,3324,3327,3330,3681,3684,3687,3693,3696,3712,4027,4064,4074,4398,4406	*15*,11,*03*,12,*40*,*05*,14,10,20,*03*,29,11,*21*,02,01,*18*,09
10339	20.5	−32 2	7.0	6.90	3324,3330,3681	06,*03*,*02*
3658	20.7	−16 21	7.0	6.64	3337,3338,4063	12,*16*,04
2508	20.8	+16 6	6.5	7.00	3320,3321,4043	05,*12*,06
9040	20.8	−33 29	7.1	6.99	3324,3330,3681	*07*,00,06
2686	21.1	− 0 41	7.0	*6.01*		*11*, . 11
7894	21.1	−40 59	6.2	5.86	3317,3672,3687,4064,4398,4406	32,*05*,*09*,*22*,07,*04*
1603	21.2	+55 30	5.0	*3.85*		. . A
2526	21.4	+21 20	7.5	8.47	3693,3699	*02*,02
3516	21.4	−12 11	5.2	*5.66*		. . A
8260	21.4	−39 39	6.9	6.47	3324,3327,3681,4406	11,*27*,*02*,19
2487	21.5	+31 14	7.5	7.92	3680,4043	09,*10*
3850	21.8	−17 24	7.3	7.06	3337,3338	05,*04*
1868	22.0	+46 33	6.0	6.08	3692,3694,4424	04,08,*12*
3668	22.1	−15 27	5.5	*4.90*		*11*, . 12
8718	22.2	−35 9	7.9	8.28	3324,3327,3681,3692,3693,3699,4027,4036	R,*13*,24,*13*,*02*,18,02,*13*
2678	22.5	+ 1 59	9.5	9.72	4398,4398,4398,4398,4398,4398,4398,4398	06,17,05,20,*19*,*11*,*07*,*09*
9816	22.5	−25 53	6.9	6.75	3315,3324,4026	*06*,10,*05*
949	22.6	+63 46	6.5	6.45	4053,4091	*05*,05
3718	22.8	−21 53	7.7	7.29	3324,3343	04,*04*
10927	23.0	−24 42	7.5	7.34	3324,3343	06,*07*
9740	23.0	−26 53	7.2	7.18	3315,3324	*12*,13
591	23.1	+72 48	7.8	7.05	3692,3694	*04*,04
1076	23.4	+63 32	7.5	8.01	3694,3703	*09*,09
8733	23.4	−35 16	7.5	7.67	3327,3330,3343,3696,4417	*12*,*02*,01,30,*17*
2621	23.5	+14 19	5.5	*5.14*		. 13,*13*
592	23.6	+72 55	6.0	6.10	3692,3694,4420	08,*07*,00
935	23.7	+65 15	6.7	6.73	3703,4420,4424	*10*,11,*02*
1658	23.7	+56 32	8.7	8.08	3712,3713,3714,4053,4053	*12*,22,*26*,*01*,17
2493	23.7	+31 39	6.8	7.12	3680,3693	*05*,06
8913	23.7	−35 3	7.4	7.15	3327,3330,3343,3712,4026	*27*,03,06,11,09
936	23.8	+65 13	6.7	7.05	3703,4420,4424	*05*,*04*,09
3702	23.9	− 5 26	7.0	7.18	4063,4078	*05*,05
1622	24.0	+53 16	6.3	6.16	3692,3694,4053	*22*,05,18
3862	24.0	−18 13	7.0	7.02	3337,3338,4064	*01*,00, R
9746	24.0	−26 52	7.6	7.64	3315,3324	02,*03*
2400	24.1	+41 15	6.2	*6.60*		. . A
2694	24.1	− 0 51	7.0	6.36	3323,3338,4063	*11*,*09*,19
1846	24.2	+51 6	7.5	*6.77*		. . A
1449	24.3	+58 44	7.5	7.80	3692,3694	03,*03*
2494	24.3	+31 4	7.3	8.15	3680,3693	02,*02*
2575	24.3	+11 20	6.4	5.83	3320,4442,4446,4458	*23*,*08*,08,24
651	24.4	+70 51	7.2	7.46	3694,3703	05,*05*

13^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
2584	24.4	+22 42	7.4	7.98	3693,3699	07,*06*	2832	26.6	− 1 48	7.5	7.16	3323,3338	09,*09*
1847	24.7	+51 14	6.7	6.38	3692,4424	*04*,05	*311*	26.7	+83 49	7.5	*7.26*		A . .
2819	24.7	+ 1 36	7.1	6.71	3320,3321,4043	*17*,12,06	*3877*	26.7	−18 13	6.4	*5.88*		. . A
1461	24.8	+60 28	5.3	5.40	3301,3302,3304,	07,*22*,*13*,	2417	26.8	+37 0	7.0	7.72	3680,3699	13,*13*
					3307,3317,3321,	17,*22*,*13*,	3714	26.8	− 5 45	5.5	*4.80*		*11*, . 10
					3323,3337,3352,	*14*,*25*,46,	2405	27.0	+42 36	6.3	6.20	3684,4424	08,*07*
					3354,3356,3672,	18, R,*04*,	*10127*	27.0	−29 3	6.8	*6.48*		. 03,*04*
					3692,3693,3694,	10,*23*,06,	10128	27.0	−28 11	5.9	5.68	3315,4417	02,*02*
					3696,3699,3703,	*21*,05,*05*,	2418	27.1	+37 38	7.5	7.68	3680,3699	08,*08*
					3705,3711,3712,	13,04,*28*,	2264	27.1	+27 8	7.5	7.83	3693,3699	05,*05*
					3714,3715,3721,	*11*,*18*,42,	*3703*	27.1	− 3 3	8.5	*8.50*		. R, A
					3723,4026,4027,	16,06,*01*,	8655	27.1	−36 21	7.3	7.09	3327,3330,3681	*17*,15,03
					4043,4063,4074,	05,*11*,09,	*9863*	27.4	−26 5	7.1	6.88	3315,3324,4026	01,*03*,03
					4077,4087,4090,	*18*,*14*,05,	3739	27.5	−14 51	5.8	*5.60*		*08*, . 09
					4091,4092,4401,	*28*,34,14,	8626	27.6	−38 22	7.4	7.40	3327,3330,3681	*26*,18,07
					4406,4419,4420,	07,08,33,	507	27.7	+75 23	7.5	*7.82*		A . .
					4424,4442,4446,	*14*,*03*,*06*,	2066	27.7	+47 46	7.2	6.90	3684,3694,4053	*09*,05,03
					4455	*08*	*2591*	27.7	+14 54	7.6	7.16	4043,4063	*01*,02
2122	24.8	+48 22	6.8	7.10	3692,3694	05,*06*	3711	27.7	− 9 39	5.8	5.38	4063,4431,4432	05,05,*11*
2403	24.8	+42 45	7.2	7.60	3684,3694	07,*08*	3696	27.7	−19 28	7.5	7.01	3337,3338	*05*,05
2634	24.9	+17 25	7.3	7.36	3320,3321	09,*08*	2421	27.9	+37 19	6.5	6.90	3680,3696,4043	*03*,*03*,06
2655	25.0	+ 7 42	6.7	*6.29*		. A .	8321	27.9	−39 26	7.0	6.57	3327,3330,3681	*34*,22,12
2750	25.0	+ 6 32	7.0	*6.41*		. A .	3639	28.0	− 7 56	7.0	7.21	3323,3338	*04*,04
3604	25.0	−23 8	7.7	7.72	3315,3324,3680,	*24*,*04*,*05*,	*2643*	28.1	+24 52	6.0	6.13	3680,3693,4419	*11*,00,10
					3684,3687,3696,	*07*,52,09,	*3839*	28.1	− 7 7	7.0	7.35	3338,4431	26,*26*
					3699,3705,3707,	04,*08*,*09*,	2507	28.2	+31 16	7.3	7.54	3696,3699	02,*01*
					3712,3713,3714,	*05*,02,*17*,	2756	28.2	+ 6 22	7.0	*6.84*		. A .
					3715,4045,4045,	01,*08*,*02*,	2462	28.3	+35 25	6.7	6.74	4043,4045	09,*10*
					4406,4406	23,*03*	3642	28.3	− 7 53	7.5	7.61	3323,4063	*04*,04
1661	25.1	+56 45	7.5	7.64	3694,3707	*03*,02	9161	28.5	−33 53	7.5	7.69	3330,3843,3681	*03*,00,08
2680	25.2	+19 34	7.2	*7.30*		A . .	1606	28.6	+54 28	7.5	*8.01*		A . .
3706	25.2	− 5 57	6.6	6.06	3338,4431,4432	*25*,11,14	8635	28.6	−38 23	7.3	7.14	3327,3330,3343,	*20*,14,09,
8592	25.2	−38 54	4.5	4.08	3324,3330,3687,	12,02,*12*,						3681	*01*
					3705,4064,4398,	*14*,*07*,05,	*654*	28.8	+70 56	7.3	7.84	3694,3703	*02*,02
					4406,4417	*04*,22	2430	28.9	+34 10	6.5	6.72	4043,4045	02,*03*
741	25.3	+70 38	7.3	7.52	3694,3703	*08*,07	9459	29.0	−32 48	6.8	6.53	3681,3692,3693	21,*03*,*17*
3618	25.5	−19 3	7.3	7.11	3337,3338	05,*05*	2666	29.1	+40 26	7.4	7.75	3696,3699	05,*05*
2553	25.6	+ 9 50	7.5	*6.97*		05,*05*, .	2764	29.1	+ 4 10	5.0	4.96	4074,4442,4446,	*10*,06,*17*,
3695	25.7	− 2 32	7.3	7.00	3323,3338,4051	*25*,07,18						4458	20
2575	25.8	+23 3	7.5	8.54	3693,3699	08,*07*	*3643*	29.1	− 8 6	7.0	7.36	3323,3338	21,*21*
1873	25.9	+46 14	7.2	7.56	3694,3707	09,*09*	3840	29.1	−12 50	7.9	7.38	3337,3338	13,*14*
3830	25.9	−12 56	6.8	*6.88*		. A .	3075	29.2	+ 0 12	7.8	*7.36*		A . .
10430	25.9	−31 38	7.4	7.32	3330,3343,3681	*02*,*10*,13	3841	29.2	−12 55	8.8	7.88	3337,3338	*07*,06
9278	26.0	−27 36	6.7	*6.46*		. 03,*02*	3843	29.3	−12 42	5.7	5.97	3338,4431,4432	*18*,08,10
422	26.1	+79 10	6.0	5.91	3694,4420,4424	*16*,02,13	10479	29.5	−31 42	6.9	6.75	3343,3681,3692	*15*,32,*16*
3576	26.2	− 8 36	7.5	7.81	3323,3338	*04*,04	1880	29.6	+46 6	7.3	7.53	3684,3694,3707	01,*04*,02
10645	26.2	−30 33	7.5	7.62	3330,3343,3681	01,03,*03*	*3076*	29.6	− 0 5	3.5	*3.41*		*18*,24,*05*
2262	26.3	+26 54	6.8	7.15	3693,3699	07,*07*	*3736*	29.9	−22 7	7.5	7.64	3324,3692	*01*,00
8695	26.3	−37 53	6.8	6.25	3327,3330,3681	*25*,09,15	2658	30.0	+39 19	6.2	6.32	3699,4419,4424	*19*,14,05
951	26.5	+64 42	7.0	*7.05*		A . .	2547	30.0	+21 9	7.5	8.11	3696,3699	*09*,09

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
2688	30.1	+13 2	6.7	*6.60*		. ▲ .	2591	33.3	+23 2	6.5	7.05	3699,3711,4043	*04*,*05*,10
3738	30.1	−21 31	6.5	7.13	3324,3692	00,00	516	33.4	+77 4	6.0	6.67	3703,3715,4420	08,*08*,01
10485	30.1	−31 52	7.1	7.58	3343,3681,3692	*08*,*04*,13	3735	33.4	− 9 23	7.5	8.21	3323,3338	06,*06*
1366	30.2	+60 46	7.3	6.95	3703,3715,4053	12,*16*,04	11011	33.5	−24 22	7.1	7.63	3324,3693	*09*,09
1667	30.3	+55 52	6.0	5.68	3711,4424	*15*,15	8884	33.6	−35 44	7.3	7.58	3327,3330,3681	20,*09*,*12*
2426	30.3	+37 42	5.1	4.95	3696,4045,4419	23,*22*,00	1856	33.7	+51 13	6.5	6.59	3711,3714,4053	10,*05*,*04*
3515	30.3	− 4 53	6.5	5.65	3323,4431,4432	06,15,*22*	2663	33.7	+39 41	7.2	*7.82*		▲ . .
2227	30.4	+49 32	4.8	4.38	3694,3707	*09*,10	3767	33.9	−14 42	7.3	7.52	3352,4063	02,*02*
2587	30.5	+23 1	6.5	6.99	3696,3699,3711	00,01,00	8390	33.9	−39 15	6.7	6.38	3327,3330,3692	*09*,26,*17*
2597	30.5	+15 25	7.3	7.51	3320,3699,3712,	04,*02*,*20*,	790	34.0	+67 33	6.3	6.80	3703,3715,4053	*12*,*03*,14
					3713	19	3562	34.0	−11 35	7.3	7.82	3337,3338	04,*03*
2588	30.6	+23 19	7.5	8.03	3696,3699	04,*04*	8392	34.0	−39 33	6.2	5.77	3327,3330,3343,	*24*,32,07,
2565	30.6	+10 43	7.0	6.46	3320,3321,4063	14,*01*,*13*						3681,3687,3692,	06,*40*,*01*,
2785	30.8	+ 8 48	7.3	*7.12*		. ▲ .						3693,4064,4398,	*23*,11,06,
2285	30.9	+44 43	6.5	*6.70*		02, . *03*						4406,4417	*02*,26
10498	31.1	−31 54	7.2	7.52	3343,3681,3692	*02*,05,*03*	2612	34.2	+24 38	7.0	*7.71*		▲ . .
9189	31.1	−33 58	6.7	6.74	3330,3343,3693	02,*05*,03	*2697*	34.3	+18 47	6.5	6.48	4063,4074	01,*02*
491	31.2	+76 35	6.7	7.26	3703,3715	06,*07*	2588	34.3	+11 1	7.3	6.74	3320,3321,4063	*04*,*09*,13
2710	31.2	− 0 25	7.7	7.19	4063,4064	*13*,13	3715	34.6	−15 56	6.5	7.02	4063,4064	*18*,19
8713	31.2	−36 36	7.5	7.40	3327,3330,3681	*11*,01,10	*9856*	34.6	−27 5	7.2	7.05	3315,3324,4027	*09*,*04*,14
9900	31.3	−25 59	5.8	*5.42*		. 05,*06*	2589	34.7	+11 15	5.7	5.40	3320,3321,4063	10,*25*,16
2604	31.4	+24 26	7.4	*8.01*		▲ . .	659	34.8	+71 45	5.8	*5.74*		. . ▲
3630	31.7	−23 6	7.0	7.14	3324,3693	04,*04*	2276	34.8	+27 12	7.2	7.16	3699,3711	23,*22*
8861	31.7	−36 4	7.5	7.23	3327,3330,3681	*08*,03,06	792	35.1	+67 7	7.0	7.79	3703,3715	05,*05*
9016	31.8	−34 33	7.0	7.16	3343,3693,3696	*12*,*04*,15	1725	35.3	+52 18	6.8	6.52	3714,3715,4053	*08*,10,*01*
9020	32.0	−34 34	7.2	7.24	3343,3693,3696,	*20*,04,13,	9242	35.3	−33 57	7.3	6.99	3692,3693,3696	*20*,*01*,21
					3712	05	3869	35.6	−12 17	7.3	7.26	3352,3354	12,*11*
8687	32.0	−38 24	7.5	7.45	3327,3330,3681	*31*,13,19	1640	35.7	+53 26	5.8	5.45	3711,3714,4053	*03*,*22*,24
2652	32.3	+25 7	6.0	6.00	3696,4419,4419,	10,*05*,*03*,	2526	35.8	+31 31	6.0	*6.07*		. . ▲
					4424	*03*	2858	35.9	+20 28	5.5	5.60	3699,3711,3713,	11,*29*,06,
3661	32.3	− 7 22	7.0	7.11	3323,3338	00,00						4419	12
3634	32.3	−22 16	8.3	8.52	3681,3692,4036	17,*10*,*08*	*9945*	35.9	−26 2	7.5	7.38	3324,3693	07,*06*
193	32.4	+85 47	7.5	*8.04*		▲ . .	8730	35.9	−38 31	7.5	8.03	3327,3330,3681	*22*,03,18
747	32.4	+70 37	7.0	7.31	3703,3715	09,*09*	2248	36.0	+28 35	6.5	6.44	4419,4424	*09*,08
2014	32.5	+50 0	6.5	6.52	4053,4063,4424	09,*23*,13	2859	36.0	+20 31	7.5	7.36	3699,4713	*07*,06
515	32.6	+76 48	7.5	8.02	3703,3715	05,*06*	3645	36.0	−22 57	6.7	6.40	3324,3693,4027	08,*09*,02
492	32.6	+76 17	7.0	7.64	3703,3715	*01*,01	1859	36.3	+51 2	7.0	6.33	3711,3714,4053	00,*08*,09
1718	32.6	+51 47	7.3	7.44	3707,3711	04,*04*	2600	36.3	+23 1	5.5	*5.77*		. . ▲
3714	32.6	− 2 44	6.8	6.74	3323,3338,4063	11,*07*,*05*	*3674*	36.4	− 8 12	5.3	*5.22*		. . ▲
1635	32.7	+53 12	7.2	7.05	3711,3714	*02*,02	1644	36.5	+53 42	7.1	7.12	3711,3714	15,*15*
2799	32.7	+ 2 53	7.0	6.73	3320,3321,4063	21,*10*,*12*	*2077*	36.5	+46 46	7.2	7.38	3684,3707	16,*17*
10482	32.8	−29 20	7.0	6.99	3315,3324,4027	05,*06*,02	9259	36.6	−33 29	7.3	6.59	3343,3692,3693	*17*,10,07
2433	33.0	+36 48	5.3	*4.83*		. . ▲	*417*	36.7	+79 52	7.5	*7.53*		▲ . .
2435	33.1	+34 15	6.5	*7.52*		▲ . .	1456	36.8	+57 42	6.1	*6.13*		. . ▲
10181	33.1	−29 3	6.3	5.85	3324,3343,4417	*07*,*12*,18	1646	36.8	+53 16	7.1	6.92	3711,3714,4053	06,06,*11*
9509	33.1	−32 36	7.0	6.83	3343,3693,3696	*16*,*07*,24	1625	36.9	+55 12	5.5	*4.67*		. . ▲
2602	33.2	+14 48	6.9	6.41	4063,4442,4446,	*10*,*05*,*10*,	9566	37.1	−32 10	7.5	8.16	3343,3692,3693	14,*11*,*04*
					4458	24	*2448*	37.2	+28 57	9.1	9.62	4431,4431	11,*11*
1637	33.3	+53 5	7.0	6.90	3711,3714,4053	*02*,05,*02*	*2798*	37.3	+ 8 54	6.5	*6.13*		04,09,*13*
2424	33.3	+42 42	7.5	7.64	3684,3707,4458	10,02,*12*	3572	37.3	−11 35	7.0	7.38	3337,3338	*02*,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
10543	37.4	−29 41	7.3	6.99	3324,3693,4417	*06*,*09*,14
9094	37.4	−34 48	7.4	7.66	3343,3692,3693	*05*,*01*,07
2450	37.6	+28 53	neb.	R		. . R
2251	37.9	+28 42	8.3	8.26	4431,4431	*07*,07
2624	37.9	+23 50	7.1	7.54	3699,3713	13,*14*
8429	38.0	−39 41	7.0	7.01	3327,3330,3681, 4077	*21*,*05*,20, 07
2775	38.1	+ 4 2	5.7	*5.52*		. . A
2431	38.2	+42 10	6.0	6.30	3684,4424	04,*05*
2474	38.3	+35 30	6.5	5.97	3705,4419,4424	12,*10*,*02*
3522	38.3	− 3 47	7.0	7.01	3323,3338	14,*14*
953	38.4	+65 20	6.0	5.72	3321,3703,4420	05,*05*, R
3540	38.7	− 5 0	7.0	*6.40*		10, . *09*
1677	38.8	+56 13	7.0	6.95	3684,3714,4053	*14*,*02*,15
2614	38.8	+14 52	7.1	7.00	4063,4074	15,*14*
2473	38.9	+38 45	7.4	8.26	3699,3705	*06*,07
816	39.0	+65 47	7.5	6.55	3321,3703,4053	*08*,*12*,21
2021	39.0	+50 32	7.5	7.40	3684,3714	08,*07*
2606	39.0	+23 12	6.3	6.41	3699,3705,4043	*08*,13,*04*
3787	39.0	−14 15	7.5	7.56	3338,3352,3354	*02*,08,*05*
3731	39.1	−15 41	5.6	5.64	4078,4431,4432	24,*02*,*21*
3918	39.1	−17 26	7.5	7.32	3337,3338	*01*,00
11057	39.2	−25 0	6.5	6.50	3324	A
1895	39.3	+46 1	6.5	*6.67*		. . A
3761	39.3	−13 43	6.8	6.94	3337,3338,4063, 4078	*03*,00,*08*, 10
2254	39.6	+28 5	7.0	7.06	3699,3705	*06*,05
8973	39.6	−35 26	7.1	7.14	3327,3330,4036	*12*,18,*06*
519	39.7	+77 20	6.2	6.63	3321,3703,3715	01,03,*05*
3758	39.7	− 5 30	7.5	*7.20*		A . .
3878	39.7	− 7 8	6.8	7.11	3323,3338	10,*10*
8868	39.7	−38 1	7.3	7.52	3327,3330,3681	08,02,*09*
3792	39.8	−14 16	8.0	7.76	3337,3354	*05*,05
9972	40.0	−25 37	6.1	*5.66*		. 10,*10*
9603	40.0	−32 33	4.5	4.39	3343,3680,3692, 3693,3703,3705, 4027,4036,4063, 4077	*12*,*01*,03, *11*,18,10, *10*,*12*,*11*, 23
1733	40.1	+52 32	6.2	*5.70*		. . A
3735	40.2	−15 16	6.7	*6.15*		01,08,*10*
1484	40.3	+60 19	7.5	8.02	3684,3714	*05*,06
2599	40.3	+10 49	6.9	*6.56*		. A .
1485	40.4	+60 39	6.5	*7.06*		A . .
3591	40.6	−11 56	5.6	*5.61*		. . A
1486	40.7	+59 51	7.0	*7.91*		A . .
9320	40.7	−33 17	7.5	7.95	3692,3693,3696	*13*,02,12
2480	41.1	+35 10	7.2	*7.52*		A . .
8995	41.1	−35 45	5.8	5.15	3327,3330,3680, 3693,3703,3705, 3721,4036,4063	07,14,*10*, *04*,*02*,*11*, 13,*04*,14
2794	41.2	+ 5 36	7.3	7.22	3320,3321	*12*,13
1683	41.6	+56 24	7.0	6.53	3714,4424,4467	T,*02*,02
2448	41.6	+34 33	7.5	*7.97*		A . .
2477	41.7	+38 2	7.3	7.47	3699,3705	04,*04*
2540	41.7	+31 22	6.3	6.55	3699,3705,4043	*06*,*07*,12
3681	41.8	−18 46	7.2	6.56	3337,3338,4063	*10*,*10*,21
716	41.9	+69 44	7.2	*8.14*		A . .
3639	41.9	− 9 12	6.3	*6.23*		. . A
2424	42.0	+41 36	5.7	*5.58*		. . A
2678	42.0	+39 0	6.0	6.01	4043,4419,4419, 4424,4424	*34*,00,15, 18,01
3932	42.0	−17 21	6.0	*5.84*		. 16,*16*
2494	42.1	+26 12	6.0	6.00	3699,4419,4424	*06*,04,02
2690	42.1	+ 6 51	6.5	6.32	3320,3320,3321	*02*,08,*07*
466	42.2	+78 34	5.8	*5.94*		. . A
3762	42.2	− 6 13	6.8	6.96	4063,4064	06,*06*
421	42.3	+80 42	7.1	*7.20*		A . .
8906	42.4	−37 46	7.5	7.86	3327,3330,3681	*22*,11,12
2782	42.5	+17 57	4.6	*4.51*		. 04,*04*
717	42.7	+69 29	7.5	*7.89*		A . .
2680	42.7	+39 3	5.5	5.66	4043,4419,4419, 4424,4424	13,07,*14*, *08*,04
1634	42.9	+54 56	6.5	*5.52*		*01*, . 00
8859	42.9	−36 38	7.0	6.67	3327,3330,3681	*18*,04,14
3887	43.1	− 6 20	6.5	6.51	4063	A
9019	43.1	−35 12	6.8	6.34	3327,3330,3681	11,*19*,08
2479	43.2	+38 23	6.8	7.10	3699,3705	13,*14*
10608	43.2	−29 10	7.5	7.90	3324,3693,3696, 4036	*02*,08,15, *21*
10912	43.3	−30 13	7.4	7.86	3692,3693,3696, 4051,4074	*34*,30,*31*, 19,15
8490	43.3	−40 2	7.1	6.78	3327,3330,4036	*08*,20,*12*
8491	43.4	−40 2	7.1	7.18	3327,3330,4036	02,10,*13*
2684	43.5	+39 27	9.4	9.10	2983,2983	20,*20*
3737	43.5	− 2 21	7.5	6.84	3323,3338,4063	*09*,*07*,17
3892	43.5	−20 15	7.0	7.08	4036,4051	*07*,07
8171	43.5	−41 11	3.7	3.47	3672,3680,3721	*28*,*20*,49
2027	43.6	+49 49	2.0	*1.85*		*03*, . 03
2767	43.6	+ 8 27	7.5	6.66	3320,3321,4063	*06*,09,*02*
9358	43.6	−33 58	4.6	4.47	3315,3316,3320, 3327,3330,3703, 3712,3713,3714, 3715,3721,4036, 4051,4051,4063, 4074,4432	13,12,*03*, *10*,09,17, 19,*20*,*29*, *11*,*08*,00, *08*,*19*,04, 22,13
8172	43.6	−41 59	3.4	3.28	3680,3721,4432	10,16,*27*
2440	43.8	+42 33	6.5	*6.85*		. . A
9031	43.9	−36 7	7.5	7.69	3330,3343,3681	*13*,01,12
2028	44.1	+50 43	7.5	7.37	3684,3714	*06*,06
2376	44.2	+33 29	7.3	7.69	3699,3705	*16*,16

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
2547	44.2	+31 41	5.5	*5.82*		. . A						3681,3684,3693,	*34*,09,*08*,
2262	44.2	+28 22	6.8	7.25	3699,3705	*16*,16						3694,3703,3707,	00,*02*,08,
9439	44.2	−27 42	8.0	7.75	3324,3693,3696	01,*03*,02						3710,3711,3713,	*02*,*20*,*22*,
9650	44.2	−32 11	7.1	7.62	3681,3692,3693,	*08*,*20*,13,						3721,3723,3729,	15,*13*,00,
					3696	13						4026,4027,4036,	*17*,14,*12*,
2701	44.4	+ 6 50	6.8	6.75	3321,3352,4063	*20*,*01*,21						4043,4053,4063,	30,05,*17*,
3937	44.4	−17 38	5.4	*5.13*		. . A						4074,4076,4087,	*02*,*02*,*02*,
10277	44.4	−28 35	6.5	*6.15*		. 12,*12*						4090,4406,4417,	*02*,30,*06*,
8501	44.4	−39 25	6.9	6.58	3330,3343,4036	04,19,*24*						4420,4432,4446,	02,11,*04*,
2357	44.5	+42 50	7.0	7.02	3684,3707	*06*,07						4458,4464	*06*,22
2245	44.6	+48 51	7.5	7.42	3684,3714	*02*,02	2689	46.6	+25 11	7.5	*7.66*		A . .
2296	44.6	+27 29	7.0	7.26	3699,3705	*15*,14	2444	46.7	+42 40	7.2	7.48	3684,3707	00,*01*
2564	44.6	+16 17	4.2	4.39	3352,4063,4432	08,00,*07*	2492	46.7	+35 16	6.8	*6.67*		10, . *10*
10935	44.6	−30 35	7.4	7.18	3692,3696,3712	02,10,*12*	2493	46.7	+35 10	5.8	*6.03*		. . A
2814	44.7	+ 8 54	6.9	6.52	4063,4074	11,*11*	1381	46.8	+61 2	7.5	7.70	3321,3703	*03*,04
2714	44.8	+13 30	7.0	6.69	3320,3321,4063	*04*,*01*,05	2600	46.9	+10 39	7.0	6.71	3320,3321,4063	*01*,*06*,07
3898	44.8	−20 23	7.2	*7.08*		A . .	*3782*	46.9	−14 11	7.2	7.28	3337,3338	03,*04*
10945	44.9	−30 43	7.0	6.95	3692,3696,3712	03,02,*05*	2634	47.0	+12 27	7.5	6.76	3320,3321,4063	04,*11*,07
2578	45.0	+21 46	5.1	5.12	3699,3705,4043	*06*,02,04	1533	47.1	+59 2	6.5	*6.37*		*06*, . 06
2715	45.0	+13 41	7.1	6.59	3320,3321,4063	*14*,09,06	*3949*	47.2	−18 13	7.0	7.02	3337,3338	09,*10*
3907	45.0	−12 37	7.3	7.62	3337,3338	04,*03*	1663	47.3	+53 47	7.5	6.79	3684,3707,3712,	12,*17*,*12*,
3754	45.0	−19 24	6.8	6.46	3338,4431,4432	00,*07*,06						3713,3715,4053,	11,*01*.09,
10623	45.0	−29 23	7.3	7.48	3324,3693	*05*,05						4053	*02*
397	45.1	+83 15	6.5	*6.10*		*01*, . 00	2692	47.3	+25 33	7.5	7.92	3699,3705	*09*,09
11117	45.2	−24 30	7.5	7.67	3324,3693	*03*,03	*2496*	47.4	+34 57	5.7	*4.98*		*06*, . 05
3892	45.3	− 7 7	7.5	7.36	3323,3338	05,*05*	2635	47.4	+12 40	6.8	5.92	3320,3321,4063	*02*,13,*10*
2457	45.4	+37 6	6.5	6.35	3699,3705,4043	00,04,*03*	2701	47.5	+40 11	6.9	*7.82*		A . .
2719	45.4	+19 7	7.2	6.72	3320,3321,4063	*07*,*04*,10	10729	47.5	−31 26	5.2	4.70	3692,3696,3703,	*07*,14,*04*,
2800	45.4	+ 5 59	6.4	6.25	3320,3321,4063	*05*,00,06						3707,3712,3721,	*06*,*12*,28,
3768	45.5	−10 52	7.5	7.82	3337,3338	04,*03*						4063,4077,4432	*10*,12,*16*
2579	45.6	+21 45	7.5	7.36	3699,3705	*11*,11	8883	47.5	−38 34	7.5	7.40	3343,3692,3712	00,*15*,16
3712	45.6	− 7 18	7.0	7.05	3323,3338,4063	*04*,*14*,17	*3793*	47.6	−10 11	7.3	*7.81*		A . .
8898	45.6	−36 54	7.5	7.78	3343,3712,3713	04,03,*06*	8978	47.6	−37 47	7.2	7.62	3343,3692,3712	09,*11*,01
2580	45.7	+21 46	7.4	6.90	3699,3705,4043	02,04,*07*	9090	47.7	−35 11	6.0	5.61	3323,3343,3703,	*30*,*03*,04,
3910	45.7	−13 12	7.0	7.02	3337,3338	*01*,02						3707,3718,4063,	*04*,*08*,00,
9054	45.8	−35 57	6.7	6.59	3330,3343,3681	*10*,04,06						4077,4432	27,13
11329	45.9	−23 54	6.7	6.48	3324,3693,4036	06,02,*08*	2676	47.8	+17 13	7.2	6.78	3320,3321,4063	17,00,*18*
10960	45.9	−30 50	7.4	7.12	3692,3696,3712	16,*15*,*02*	2654	48.0	+24 5	7.5	8.02	3699,3705	*12*,13
2359	46.0	+43 2	6.8	6.90	3684,3707,4053	*12*,*03*,16	*3752*	48.0	− 3 3	7.3	7.51	3323,3338	*06*,06
9676	46.0	−32 30	4.7	4.26	3681,3692,3696,	14,12,06,	1664	48.1	+53 20	7.2	7.36	3684,3707	*16*,15
					3703,3712,3713,	15,02,*03*,	9223	48.1	−34 50	6.7	6.32	3343,3696,3712	09,*07*,*03*
					3714,4063,4077,	*37*,05,10,	8927	48.3	−36 23	7.3	7.29	3343,3692,3712	*02*,*08*,11
					4432	*27*	2795	48.4	+18 25	6.5	*5.77*		. . A
3912	46.3	−12 32	7.0	7.02	3337,3338	14,*13*	2720	48.4	+13 15	7.5	7.12	3320,3321	03,*04*
10706	46.3	−31 8	6.7	6.13	3692,3696,3712	*04*,*02*,07	3775	48.4	− 5 41	7.5	*7.65*		A . .
500	46.4	+76 4	7.5	8.09	3703,3710,3715	*05*,04,02	502	48.5	+76 4	7.0	7.38	3321,3721	06,*06*
1318	46.5	+61 59	6.0	6.03	3315,3316,3317,	*06*,04,05,	963	48.5	+65 13	4.8	4.76	3315,3316,3317,	01,*09*,12,
					3321,3324,3327,	04,*08*,04,						3320,3323,3327,	*02*,*10*,01,
					3330,3337,3352,	04,*08*,03,						3330,3338,3352,	21,*32*,00,
					3354,3356,3680,	05,12,*03*,						3354,3356,3680,	*18*,29,11,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3681,3684,3687,3703,3707,3710,3711,3712,3713,3714,3721,3723,3729,3730,4036,4043,4049,4053,4074,4076,4090,4091,4094,4406,4417,4420,4432,4446,4456,4464,4472	*05*,04,*11*,*21*,19,*04*,07,45,08,*21*,00,*18*,13,25,*01*,16,25,*12*,*36*,*04*,*03*,*21*,*14*,*19*,*09*,14,*09*,13,*16*,18, R
3786	48.5	−14 10	7.2	7.22	3337,3338	09,*08*
10742	48.5	−31 58	7.2	6.89	3696,3712,3713	*09*,*11*,19
724	48.6	+68 49	6.0	6.45	3703,4420,4424	*01*,*15*,17
9478	48.6	−28 4	6.5	*6.17*		. 04,*04*
10308	48.6	−28 16	7.2	R		
2464	48.7	+29 8	6.0	5.95	3705,4419,4424	*08*,07,01
3778	48.8	−11 12	7.2	7.52	3337,3338	04,*03*
9417	48.8	−34 7	7.2	6.69	3343,3696,3712	*03*,*07*,11
2434	48.9	+40 51	6.7	6.78	3684,3707,4053	02,*02*,00
2467	49.0	+34 17	7.5	7.20	3699,3705	03,*04*
3760	49.0	−16 42	7.0	6.81	3337,3338,4063	05,07,*11*
3800	49.0	−21 46	6.7	6.69	3324,3693,4036	04,*03*,00
2449	49.2	+42 41	6.7	6.69	3684,3707,4053	08,*12*,03
10757	49.5	−31 36	7.4	7.04	3696,3712,3713	01,00,00
1667	49.6	+52 49	6.3	7.05	3684,3707	14,*14*
2758	49.6	− 1 0	6.2	5.28	4063,4431,4432	10,*11*,01
3698	49.6	−18 43	6.9	7.06	3337,3338	00,00
3728	49.7	− 7 33	6.0	6.09	3323,3338,4431	08,06,*13*
1751	49.8	+52 37	7.2	7.35	3684,3707	06,*06*
422	49.9	+80 25	7.4	*7.40*		A . .
2461	49.9	+30 25	7.3	7.38	3699,3705	*01*,00
2725	49.9	+18 54	3.2	*2.76*		. *04*,04
2159	50.0	+48 22	7.0	7.50	3684,3707	*02*,03
11015	50.0	−30 47	6.9	6.56	3696,3712,3713	04,03,*08*
8917	50.0	−38 55	7.5	7.25	3343,3692,3712	*10*,13,*02*
1630	50.1	+54 13	6.0	5.71	3684,4063,4424	*27*,16,12
10690	50.1	−30 5	7.1	6.93	3696,3712,3713	*05*,*05*,09
9722	50.2	−32 15	7.4	7.78	3696,3712,3714	03,04,*07*
3664	50.3	− 9 2	7.5	7.56	3323,3338	*09*,09
8921	50.3	−38 10	7.5	7.50	3343,3692,3712	*04*,*10*,15
431	50.4	+79 29	6.6	6.70	4053,4078	08,*09*
2467	50.4	+37 35	7.0	7.42	3699,3705	*05*,04
3667	50.5	− 9 4	6.2	6.84	3323,3356,4431	*07*,02,04
970	50.6	+64 45	7.3	*8.00*		A . .
3804	50.6	− 9 16	7.0	6.77	3323,3338,4063	*10*,*02*,11
3761	50.8	− 3 10	6.5	6.95	3323,3338,4063	*10*,02,07
9501	50.8	−27 8	7.0	6.78	3324,4036,4051	*02*,*09*,12
9024	50.8	−37 49	7.5	7.08	3343,3692,3712,3713	*17*,00,18,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3552	50.9	− 4 7	7.5	8.06	3323,3338	*15*,15
2631	51.1	+23 11	7.3	7.82	3699,3705	*07*,07
2680	51.1	+14 34	6.7	6.31	3320,4442,4446,4464,4467	*06*,*20*,*21*,29,20
9257	51.3	−34 24	7.3	7.69	3696,3712,3713	*18*,25,*06*
2865	51.4	+ 1 32	5.8	*5.88*		. . A
3685	51.4	−22 36	7.7	7.58	3324,3693	*20*,20
234	51.5	+85 1	7.0	*7.95*		A . .
2473	51.5	+29 10	7.0	R		
11386	51.5	−23 55	7.2	7.71	3324,3693,3714	*07*,29,*22*
1102	51.6	+62 53	7.0	7.26	3703,3710	*04*,05
2706	51.6	+39 57	7.5	*7.47*		A . .
2508	51.6	+26 25	6.8	7.69	3699,3705,4043	10,04,*13*
10338	51.6	−28 8	7.3	7.25	3324,3714	07,*07*
2834	51.7	+ 3 29	7.2	6.93	3321,3352,4063	*10*,07,04
2411	51.8	+32 31	6.5	6.30	4064,4419,4424	05,11,*16*
2583	51.8	+16 24	7.2	6.94	3321,3352,4063	*19*,13,06
3687	51.9	−22 32	6.6	6.28	3324,3693,4036	10,11,*20*
2278	52.0	+27 59	5.0	5.07	3693,3699,4419	*18*,12,07
9044	52.1	−37 40	7.5	7.46	3330,3343,3692	11,*25*,15
8329	52.2	−41 36	4.1	4.05	3323,3681,3707,3710,4077,4087	*12*,*08*,*14*,14,18,03
10089	52.3	−25 30	6.9	6.52	3324,3714,4036	13,*09*,*05*
452	52.4	+81 16	6.8	*6.80*		A . .
2593	52.4	+21 27	6.8	6.90	3699,3705,4043	*06*,06,*01*
10716	52.4	−29 15	7.1	7.24	3324,3714	09,*08*
R	52.5	−44 19	. .	4.30	3323,3681,3707,4043,4077,4087	*37*,02,40,*26*,21,01
2253	52.6	+49 30	7.0	*7.07*		A . .
560	52.7	+73 49	7.5	7.78	3703,3710	08,*09*
2312	52.8	+44 46	6.8	*7.62*		A . .
11202	52.9	−24 29	5.7	*5.21*		. 05,*05*
3642	53.0	−11 34	6.7	7.08	3337,3338	*02*,01
3802	53.1	−13 38	6.8	6.79	3337,3338,4063	02,*05*,02
1632	53.2	+54 24	7.3	*8.06*		A . .
8995	53.2	−37 6	7.5	7.77	3330,3343,3692	*02*,02,01
2687	53.3	+16 54	7.3	7.26	3321,3352	*11*,11
762	53.4	+70 27	7.0	7.38	3703,3710	*01*,01
1646	53.4	+55 5	7.0	7.26	4053,4063	*04*,03
825	53.6	+65 52	7.5	7.58	3703,3710	*05*,06
3971	53.6	−18 8	7.3	6.99	3337,3338,4063	12,*27*,14
2651	53.8	+15 8	6.7	6.23	3354,4432,4442,4446,4464	03,*12*,*13*,00,24
3911	53.8	− 6 26	6.5	7.04	3323,3356	*13*,14
9762	53.8	−33 3	7.2	7.93	3712,3713,3715	*18*,06,11
764	53.9	+70 27	9.4	9.29	3715,3721	08,*08*
2650	53.9	+22 11	5.5	*5.57*		. . A
1633	54.0	+54 25	6.8	6.92	4053,4063	*10*,11
1105	54.1	+63 18	7.3	7.32	3703,3710	*07*,07
3597	54.2	− 4 56	6.8	*7.30*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2712	54.3	+25 12	6.8	*7.31*		A . .
1325	54.4	+61 59	6.7	6.50	3707,4420,4424	*05*,07,*01*
11215	54.4	−24 31	6.3	*5.76*		. *07*,07
9011	54.4	−36 54	7.5	7.94	3330,3343,3692	*16*,08,07
523	54.5	+76 59	7.3	8.16	3703,3710	08,*07*
2511	54.5	+26 18	7.3	7.01	3699,3705	08,*08*
3118	54.6	+ 0 33	7.5	7.82	3321,3352	*09*,08
3768	54.6	− 3 3	6.4	6.30	3323,3356,4063	*05*,00,05
2108	54.8	+47 6	7.0	7.18	3684,3707	03,*02*
2713	54.8	+24 47	7.5	*8.06*		A . .
3748	54.8	− 7 40	6.5	6.65	3323,3356,4063	*08*,01,08
10111	54.9	−25 46	7.1	*6.58*		. *06*,05
9022	55.2	−36 59	7.1	6.86	3330,3343,3692,4036	*01*,28,*03*,*19*
1676	55.3	+53 35	7.3	6.70	3684,3707,4063	*21*,*01*,22
2839	55.3	+ 3 10	7.5	7.40	3352,3354	10,*11*
8628	55.3	−39 44	6.7	6.28	3343,3692,3712,4036,4051,4074,4455	*09*, R,22,*28*,*24*,12,29
9025	55.4	−36 50	7.5	7.51	3330,3343,3692	*13*,01,12
2259	55.6	+49 2	7.4	7.92	3684,3707	07,*08*
966	55.7	+65 24	7.2	6.99	3703,3710,4078,4092	*05*,*02*,*03*,09
8988	55.7	−38 57	7.1	7.27	3343,3712,3713	*05*,09,*04*
827	56.0	+66 36	7.2	7.41	3703,3710	*01*,01
2708	56.2	+39 31	6.5	6.78	4043,4064	*01*,02
2651	56.4	+22 28	6.8	7.12	3699,3705	*09*,10
2835	56.4	+ 9 22	6.0	5.94	4092,4094,4432	*14*,*07*,20
2815	56.4	+ 4 36	8.2	*8.05*		A . .
2686	56.5	+14 13	7.3	7.12	3352,3354	05,*06*
2616	56.5	+ 9 47	7.1	7.02	4063,4074,4092,4094	05,14,*06*,*15*
9210	56.5	−35 41	7.3	6.93	3343,3712,3713	*10*,20,*09*
2287	56.6	+27 52	6.3	*6.13*		. . A
2816	56.6	+ 4 44	7.5	*7.06*		A . .
2761	56.6	+ 2 2	4.2	4.42	4063,4432,4442,4446,4464	*12*,*26*,07,*03*,32
10060	56.7	−26 57	6.0	5.74	3324,4455,4464	07,*10*,03
2483	56.8	+28 53	7.5	7.92	3699,3705	*03*,04
2813	56.8	+18 10	6.8	6.55	3352,3354,4063	02,*09*,07
2419	56.9	+32 2	7.0	7.06	3693,3699	03,*02*
2691	56.9	+17 14	7.0	7.32	3352,3354	05,*06*
10063	57.0	−26 22	7.8	7.28	3324,3714	03,*04*
3799	57.1	−19 19	7.3	7.16	3337,3338	00,00
10859	57.2	−31 12	6.5	6.32	3692,3696,3712,3713	*14*,*01*,12,04
2435	57.3	+36 43	7.0	7.50	3693,3699	*10*,10
2654	57.3	+22 3	7.5	7.80	3699,3705	*12*,11
2620	57.5	+10 48	7.4	7.24	3352,3354	00,*01*
2598	57.6	+21 22	7.5	7.74	3699,3705	00,00
2617	57.6	+10 11	6.6	*6.12*		07, . *07*
2454	57.7	+40 57	6.5	6.96	3684,3707,4063,4078	*18*,06,03,07
3785	57.7	−16 53	7.0	6.53	3337,3356,4063	*02*,13,*12*
2436	58.0	+36 36	7.0	7.10	3693,3699	*04*,04
2319	58.1	+44 3	7.3	7.74	3684,3707	00,00
2424	58.1	+32 9	7.5	7.12	3693,3699	*02*,02
3921	58.1	− 6 39	7.5	7.74	3323,3356	*03*,04
1922	58.2	+46 15	6.0	6.48	3684,4424,4464,4467	*10*,09, R,00
2658	58.2	+15 28	7.0	7.16	3352,3354	11,*10*
9062	58.2	−36 47	7.2	6.99	3330,3343,3712	*01*,03,*01*
2722	58.3	+25 3	7.3	*7.86*		A . .
3824	58.3	−21 56	6.5	6.21	3324,3714,4036	02,*08*,07
563	58.5	+73 53	7.5	7.68	3703,3710	02,*01*
2625	58.6	+11 16	7.0	*6.43*		. A .
2810	58.6	+ 8 1	7.0	*6.35*		. A .
2723	58.7	+25 5	7.5	*8.16*		A . .
2644	58.7	+22 59	6.5	6.79	3699,3705,4043	*09*,11,*02*
3841	58.7	− 9 16	7.3	7.26	3323,3356	01,00
10419	58.7	−28 35	7.4	7.08	3324,4036,4051	*10*,01,08
9242	58.7	−35 10	7.1	7.25	3343,3712,3713	03,*03*,00
2291	58.9	+27 58	7.5	7.28	3699,3705	*09*,09
2836	58.9	+ 5 23	6.5	*6.28*		. A .
3659	58.9	−11 39	7.5	7.84	3337,3356	02,*01*
3614	59.0	− 4 54	6.5	6.48	4063,4064	01,*02*
3689	59.0	− 8 46	6.5	6.54	3323,3337,4051,4063	03,*13*,09,01
2742	59.1	+13 13	7.0	7.12	3352,3354	05,*06*
2628	59.1	+11 46	7.0	6.83	3352,3354,4063	11,00,*12*
3863	59.1	−14 29	6.5	6.36	4063,4064	12,*11*
1889	59.3	+51 27	6.0	6.07	3707,3711,3721	*05*,00,04
201	59.4	+86 14	7.5	*7.44*		A . .
3831	59.5	−22 8	7.5	7.21	3324,3714	22,*22*
733	59.6	+69 10	6.3	6.51	4078,4091	*10*,10
2768	59.6	+ 2 47	6.7	6.35	3352,3354,4063	*05*,*06*,12
1327	59.8	+62 10	7.1	7.30	3703,3710	16,*16*
3867	59.8	−14 22	7.5	7.29	4063,4064	12,*12*
3805	59.8	−15 51	6.8	6.53	4063,4078,4092	12,*08*,*04*
8405	59.9	−40 42	4.8	4.43	3320,3323,3681,3710,4043,4087	14,*06*,*13*,*12*,19,*02*
9146	0.0	−37 15	7.5	7.61	3330,3343,3712	11,*14*,04
674	0.1	+70 49	7.7	7.55	3703,3710,3715,3721,3729	10,*12*,00,01,00
2521	0.2	+26 18	6.8	6.83	3699,3705,4043	17,*05*,*13*
11285	0.6	−24 15	7.5	7.62	3324,3714	02,*01*
9364	0.6	−34 25	7.3	7.12	3696,3712,3714	20,10,*30*
10095	0.7	−26 12	3.6	*3.52*		. 09,*08*
9260	0.8	−35 53	2.1	2.34	3323,3324,3327,3356,3703,3707,	*21*,*02*,04,00,22,*12*,

14^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3712,3713,4036,	*19*,*08*,*23*,
					4043,4049,4087,	*02*, B ,08,
					4417,4432	02,56
3696	1.0	− 8 25	6.8	*6.56*		. A .
2647	1.1	+23 13	7.3	7.74	3699,3705	*10*,10
3824	1.2	−13 43	7.0	6.69	3323,3337,4078	01,02,*02*
9376	1.2	−35 1	7.1	7.28	3327,3330,3712	*10*,10,*01*
11167	1.3	−30 55	7.3	7.59	3696,3712,3713	04,02,*06*
2746	1.4	+ 7 29	7.5	7.38	3352,3354	06,*05*
3697	1.4	− 8 50	5.0	5.40	3337,3356,4431,	01,*04*,15,
					4432,4455	*01*,*12*
769	1.5	+70 46	7.3	7.69	3710,3715	02,*02*
2154	1.6	+44 49	7.3	*7.92*		A . .
2661	1.6	+22 39	6.5	7.52	3699,3705	*08*,08
978	1.7	+64 51	3.4	3.62	3710,4087,4417,	*36*,35,*06*,
					4420,4424	06,02
1557	1.7	+59 20	7.3	*7.56*		A . .
2702	1.7	+17 27	6.9	6.76	3352,3354,4074	01,00,*02*
2824	1.8	+18 23	7.0	7.62	3352,3354	05,*06*
3809	1.8	−15 43	7.5	*7.05*		A . .
1487	1.9	+56 59	7.0	7.24	3684,3707	*04*,08
9382	1.9	−34 28	7.5	7.19	3327,3696,3712	02,03,*06*
2582	2.0	+31 20	7.2	7.58	3693,3699	*08*,07
2720	2.3	+38 54	7.0	7.90	3693,3699	*03*,04
2525	2.3	+35 16	6.8	*7.07*		A . .
2493	2.4	+28 54	7.0	7.03	3699,3705	*05*,05
2269	2.5	+49 20	7.5	*7.62*		A . .
9871	2.5	−32 34	7.2	7.28	3327,3696,3712	*02*,08,*07*
3134	2.6	+ 0 17	7.5	*8.13*		A . .
3966	2.7	−12 27	7.0	*7.39*		. A .
3135	2.8	+ 0 24	7.0	7.40	3352,3354	10,*11*
1686	3.1	+53 47	7.0	7.08	3707,3711	*03*,08
3671	3.1	−11 21	6.5	6.75	3337,3356,4078	01,*02*,02
2465	3.2	+42 35	7.0	7.26	3707,3721	*03*,03
3757	3.5	−18 46	7.3	7.15	3337,3356	01,*01*
9401	3.5	−34 24	7.5	7.65	3327,3696,3712	*04*,*15*,20
2733	3.6	+24 47	6.2	6.70	3699,3705,4419	02,*03*,02
3865	3.7	− 9 51	6.5	6.52	4078,4092	*01*,02
2325	3.9	+44 20	5.3	5.48	4063,4417,4420,	05,*29*,14,
					4464	12
2880	4.0	+18 6	7.3	7.76	3352,3354	01,00
2177	4.1	+48 41	6.7	6.77	3707,3721,4063	*11*,*08*,18
2821	4.2	+ 7 52	7.4	7.24	3352,3354	00,*01*
2859	4.4	+ 3 16	7.0	6.92	3352,3354,4074	08,*03*,*04*
11209	4.4	−30 9	6.8	6.57	3327,3696,3712	*08*,14,*06*
11322	4.5	−24 55	7.4	7.68	3324,3714	*28*,27
10869	4.5	−29 37	7.3	6.96	3324,3714,4036	*13*,09,04
2047	4.6	+49 56	5.5	*5.42*		05,*02*,*02*
527	4.7	+75 11	7.5	*7.62*		A . .
3142	4.8	− 0 11	7.5	*7.43*		A . .
2616	4.9	+16 5	7.0	6.67	3352,3354,4074	*10*,*01*,12
10964	5.1	−31 36	6.9	6.73	3327,3696,3712	*21*,28,*06*
9654	5.2	−27 53	7.3	7.38	3324,3714	*16*,17
2740	5.3	+40 31	7.5	7.92	3693,3699	05,*04*
3823	5.3	− 6 5	7.3	7.74	3323,3337	*13*,12
2588	5.4	+31 43	7.2	7.36	3693,3699	*02*,03
3817	5.4	−15 50	5.0	*5.15*		*33*,23,10
2518	5.5	+37 48	7.5	7.55	3699,3705	03,*03*
10879	5.5	−29 19	7.5	7.45	3324,3714	08,*08*
1516	5.7	+59 48	6.0	*6.53*		*07*, . 07
2895	5.7	+ 1 17	7.0	6.69	3352,3354,4074	11,*10*,*01*
3824	5.7	− 5 30	6.8	*7.30*		A . .
3680	5.7	−11 29	7.3	7.50	3337,3356	06,*07*
10973	5.7	−31 42	7.9	7.31	3327,3696,3712	*12*,12,*01*
2737	5.8	+25 34	4.8	*4.82*		. 04,*05*
10491	5.8	−28 19	7.5	8.07	3324,3696	*05*,05
2471	5.9	+41 15	7.0	7.14	3707,3721	*06*,07
2674	6.0	+15 46	7.4	7.03	3352,3354,4074	*06*,*07*,14
529	6.2	+75 4	6.7	6.25	4078,4087	04,*04*
2744	6.3	+40 0	7.5	*7.97*		A . .
2520	6.3	+38 28	7.5	8.22	3699,3705	*06*,05
3825	6.4	− 5 23	7.2	*7.25*		A . .
2783	6.5	+ 1 50	6.6	6.30	3352,3354,4074	*10*,09,01
11551	6.7	−23 53	6.7	6.45	3324,3714,4036	19,*20*,00
2443	6.9	+82 45	6.5	6.24	3693,3699,4064	*09*,*05*,15
10158	7.0	−26 47	5.5	*5.34*		. 02,*02*
2867	7.2	+ 2 53	4.8	4.93	3352,3354,4432	07,*24*,18
3877	7.2	− 9 26	7.2	*7.29*		. A .
11343	7.2	−25 2	7.2	7.17	3324,3714	03,*03*
2625	7.5	+21 5	7.5	7.54	3699,3705	00,01
10163	7.5	−26 8	6.8	*6.28*		. 06,*05*
774	7.6	+70 4	7.2	*7.14*		A . .
2391	7.6	+42 49	6.9	6.77	3707,3721,4063	*03*,09,*07*
3878	7.6	− 9 48	4.0	*4.36*		*07*,14,*06*
3845	7.7	−13 23	7.0	*7.18*		. A .
1562	7.8	+59 0	6.5	6.87	4063,4078	*17*,17
9194	7.8	−36 9	7.5	7.21	3327,3330,3713	*16*,15,01
2505	8.0	+29 12	7.2	7.56	3699,3705,4442	00,07,*06*
2662	8.0	+22 51	7.5	7.78	3699,3705	*12*,11
3794	8.0	− 7 59	7.0	7.08	3337,3356	03,*02*
736	8.1	+69 20	6.5	6.52	4087,4091	*14*,13
3693	8.3	−11 22	7.2	6.92	3337,3356,4078	04,01,*05*
2796	8.5	− 0 22	6.2	*5.76*		02, . *02*
2451	8.7	+36 4	7.8	7.96	3713,3715,3721	04,*04*,01
1409	8.8	+60 57	7.5	8.00	3703,3710,3715	B ,*07*,07
9693	8.9	−27 18	7.5	7.65	3696,3714	06,*06*
11268	8.9	−30 35	7.6	7.11	3327,3696,3712	05,02,*07*
2667	9.0	+12 28	6.8	*6.63*		. A .
8796	9.1	−39 38	7.5	7.62	3327,3330,3712	*12*,*06*,18
478	9.2	+78 1	5.0	5.06	3703,4417,4420	00,*01*,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
3837	9.2	− 5 29	7.0	6.23	3323,4431,4455	08,06,*14*	2309	11.0	+28 12	7.0	7.16	3699,3705,4446	*08*,09,00
1899	9.3	+51 11	7.5	7.68	3707,3711	01,*01*	2777	11.1	+19 42	1.0	*0.34*		28, . *27*
2764	9.3	+13 26	6.2	5.59	3352,4432,4442,	*32*,*14*,23,	*3845*	11.2	− 6 9	6.3	*6.24*		*05*, . 04
					4446,4456	15,09	2868	11.3	+ 6 31	7.3	*7.91*		. A .
3989	9.3	−20 36	7.2	*7.67*		A . .	3812	11.3	− 2 44	6.4	6.00	3356,4431,4455	00,03,*03*
10528	9.3	−28 49	6.4	*6.00*		. 05,*04*	2779	11.4	+19 23	6.7	*5.84*		*04*, . 03
2595	9.4	+31 40	7.2	7.25	3693,3699	01,*01*	2758	11.5	+40 8	7.3	7.55	3687	A
2508	9.4	+29 35	7.0	6.77	3693,3699,3705,	*08*,*04*,08,	3737	11.5	− 8 25	6.0	*6.56*		. 04,*05*
					4049,4087,4419,	*52*,*04*,44,	2632	11.6	+21 43	7.5	7.63	3699,3705	*13*,13
					4424,4472	02,11	*3656*	11.6	− 5 11	7.0	6.79	4078,4092	05,*05*
2476	9.7	+41 38	7.5	7.96	3707,3721	11,*10*	*4053*	11.6	−18 7	6.5	6.37	3337,3356,4078	*06*,*01*,08
2494	9.7	+30 41	7.3	8.05	3693,3699	*14*,14	3877	11.6	−21 20	7.5	8.09	3324,3714,4036,	04, R,*04*,
1782	9.9	+52 16	4.5	4.48	3723,3730,4417	*22*,10,13						4074,4077	03,*03*
2718	9.9	+14 27	6.8	*6.67*		A . .	*1699*	11.8	+52 59	7.0	6.44	3711,4063,4417	*14*,04,09
2654	9.9	+10 35	5.3	5.35	4074,4432,4442,	*16*,07,*02*,	*1903*	11.8	+50 54	7.5	7.52	3711,3723	30,*29*
					4446,4456	*15*,24	10207	11.8	−26 30	7.5	7.33	3324,3696	*02*,02
2841	9.9	+ 3 47	6.7	6.60	4074,4092	09,*08*	2954	11.9	+20 35	7.0	6.36	3699,3705,4064	*10*,20,*09*
4046	9.9	−17 44	6.0	*5.46*		. . A	3848	11.9	− 5 17	7.7	*7.70*		A . .
1944	10.0	+46 47	6.8	7.10	3707,3723,4063	*01*,*18*,20	3846	11.9	−19 30	7.5	6.89	3337,3356,4078	*03*,05,*02*
2453	10.0	+36 5	7.0	7.20	3693,3699,3705	04, R,*05*	3740	12.0	− 8 34	6.5	6.69	3323,3337,4078	*22*,02,21
2678	10.1	+22 21	6.5	6.40	3699,3705,4064	*14*,*01*,15	9250	12.0	−38 25	7.4	7.92	3327,3330,3712	*01*,*06*,08
778	10.2	+69 54	5.3	5.40	3320,3321,3323,	*06*,*23*,*04*,	1948	12.1	+46 1	6.5	6.85	3707,3723,4417,	R,16,*18*,
					3324,3327,3330,	*05*,*03*,*13*,						4420	02
					3337,3338,3687,	05,14,39,	3879	12.1	−21 22	7.0	7.28	3324,3714,4036,	*15*, R,02,
					3693,3696,3699,	09,*14*,*03*,						4074,4077	11,01
					3705,3707,3709,	02,*07*,03,	2760	12.3	+40 13	6.3	6.34	3687,3693,4064,	16,00,*12*,
					3712,3713,3714,	*02*,21,*19*,						4087,4091	*06*,03
					3715,3729,3730,	*18*,*22*,*02*,	2451	12.3	+32 40	7.0	6.79	3693,3699,3705	18,*13*,*05*
					4036,4043,4049,	*06*,*14*,13,	2058	12.5	+50 38	7.5	7.66	3711,3723	09,*08*
					4067,4076,4090,	05,15,*05*,	10005	12.5	−32 45	6.7	6.35	3327,3343,3696	*02*,*11*,12
					4091,4092,4094,	*01*,*30*,*01*,	*1784*	12.6	+51 50	4.5	4.75	3723,4049,4417	*13*,18,*04*
					4097,4417,4419,	*06*,*02*,*07*,	1949	12.6	+46 33	4.0	*4.23*		. . A
					4420,4424,4431,	03,25,11,	2690	12.7	+15 44	6.2	*6.05*		*01*,*04*,05
					4446,4455,4456,	07,02,06,	*3964*	12.7	− 7 4	6.5	6.50	3323,3337,4078	*09*,06,03
					4458,4467	18,20	3813	12.7	− 7 30	7.2	7.19	3323,3337	*02*,02
1945	10.2	+45 53	7.1	7.37	3707,3730	04,*04*	1498	12.8	+57 9	6.5	*6.67*		. . A
9674	10.2	−33 57	7.5	8.12	3327,3696,3713	*15*,06,09	1499	13.0	+57 9	6.5	*7.03*		. . A
2472	10.3	+42 0	6.1	6.39	3707,3721,4417,	*07*,08,02,	R	13.0	−45 36	. .	4.63	3327,3327,3343,	34,34,*27*,
					4464	*03*						3343,3356	*17*,*23*
2874	10.3	+ 3 35	7.5	7.04	3352,3354	06,*05*	3789	13.1	−18 15	6.2	5.74	3337,4431,4455	*03*,*05*,09
9982	10.4	−32 47	6.7	6.48	3327,3696,3713	*15*,21,*05*	1704	13.3	+53 43	7.5	7.60	3711,3723	*02*,03
1489	10.5	+58 35	7.4	8.58	3711,4063	08,*08*	10271	13.3	−25 22	6.3	*5.86*		. 00,00
2739	10.5	+39 45	7.4	*7.32*		A . .	10223	13.3	−26 41	7.0	6.56	3324,3696,4067	*15*,13,02
2707	10.5	+24 9	6.5	6.88	4064,4087	14,*13*	9268	13.3	−36 32	6.4	5.88	3327,3330,3712	01,*07*,05
3955	10.5	− 7 12	7.2	7.44	3323,3337	27,*28*	3765	13.4	−22 30	7.3	7.80	3324,4074	08,*08*
11034	10.5	−31 35	7.5	7.03	3696,3713,3714	17,05,*22*	987	13.5	+65 18	7.2	7.16	3703,3710	*09*,09
1121	10.6	+63 9	7.5	7.67	3703,3710	00,00	2436	13.5	+33 43	7.3	7.54	3687,3693	*11*,10
1667	10.6	+55 6	7.5	*7.66*		A . .	2847	13.5	+ 4 8	7.5	7.14	3352,3354	06,*05*
3843	10.8	− 5 31	4.5	*4.18*		00, . *01*	3965	13.5	− 6 34	7.5	7.28	3323,3337	03,*02*
9494	10.8	−34 33	7.7	7.53	3343,3696,3713	01,*04*,03	*1672*	13.7	+54 59	7.0	*7.06*		A . .

14^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2662	13.7	+10 58	7.0	*7.13*		. A .
4018	13.7	−12 55	4.8	*4.49*		. . A
9274	13.7	−36 24	7.1	7.21	3327,3330,3712	*09*,03,06
1908	13.8	+51 46	6.8	6.09	3711,3723,4049	07,*14*,06
2468	13.8	+35 58	4.8	4.92	3699,4064	*09*,08
2638	13.8	+21 45	7.2	7.07	3699,3705,4419	07,*03*,*03*
2762	13.9	+40 22	7.2	7.32	3693,4064,4087,4091	04,00,*19*,15
2541	13.9	+38 7	7.5	7.98	3687,3693	04,*04*
2188	14.1	+48 27	6.6	6.25	3723,4049,4063	*17*,06,11
2744	14.1	+39 27	7.5	*8.27*		A . .
2524	14.1	+28 53	7.3	7.56	3699,3705	16,*17*
1787	14.3	+52 19	7.0	7.14	3711,3723	10,*09*
9764	14.3	−27 35	7.2	7.06	3324,3715	10,*11*
R	14.3	−44 43	. .	5.43	4432	A
2793	14.4	+19 31	7.3	6.82	4074,4092	16,*15*
2782	14.4	+13 28	5.7	*5.34*		. 06,*05*
2938	14.4	− 1 48	5.0	5.18	3323,4431,4455	*13*,03,09
1725	14.5	+55 53	7.3	6.69	3711,3723,4063	05,*08*,04
9336	14.5	−37 26	4.4	4.17	3324,3327,3356,3696,3714,3715,4043,4067,4076,4087,4092,4417,4420	*06*,00,00,*23*,38,*19*,04,*23*,*02*,09,23,00,R
2913	14.6	+ 0 51	6.3	*6.20*		04, . *05*
3972	14.6	− 6 17	6.5	6.55	3323,3337,4078	*04*,*09*,13
9551	14.7	−34 13	7.8	7.40	3343,3696,4074	*04*,06,*02*
2749	14.9	+39 12	6.8	*6.48*		*36*, . 35
11638	14.9	−24 3	7.3	7.72	3715,3721	*03*,03
2481	15.0	+42 27	7.0	7.20	3723,4049,4063	*04*,*13*,17
1788	15.1	+52 30	7.3	6.74	3711,3723,4049	*09*,01,09
2637	15.1	+16 46	5.3	*5.02*		. 02,*02*
2290	15.2	+49 3	6.5	*7.22*		A . .
2544	15.4	+38 4	7.5	8.11	3687,3693	03,*03*
3165	15.4	+ 0 39	7.0	*6.98*		*04*, . 03
1678	15.6	+55 20	6.5	6.48	4049,4063	07,*08*
2750	15.7	+39 15	6.0	*6.03*		. . A
9309	15.7	−38 13	7.5	7.78	3327,3330,3712	*31*,13,18
2605	15.8	+30 53	6.5	6.34	3687,3693,4064,4087	02,*21*,09,12
741	15.9	+69 12	7.3	7.34	3703,3710	19,*18*
2554	16.2	+26 31	7.0	6.89	3705,4419,4424	*03*,01,03
3915	16.2	− 9 55	7.0	*7.36*		A . .
9786	16.2	−27 51	7.1	6.92	3696,3715,4074	*16*,*10*,25
9570	16.3	−34 20	6.0	5.56	3320,3324,3327,3330,3343,3356,3696,3703,3711,3712,3713,3714,3715,4036,4043,4076,4087,4092,4417,4420	*17*,*02*,*02*,*03*,*20*,10,*06*,*12*,15,04,*03*,01,*03*,*06*,*12*,*15*,03,26,05,28
2966	16.4	+20 12	7.5	*7.45*		A . .
2796	16.5	+19 38	7.2	*7.11*		*01*,01, .
2294	16.7	+48 58	7.3	7.23	3723,4049	06,*06*
2519	16.7	+36 51	7.0	7.18	3687,3693	01,00
8872	16.7	−39 10	7.2	7.08	3327,3330,3712	*09*,06,03
2943	16.8	− 1 32	6.7	6.78	4078,4431,4455	09,01,*09*
3831	16.8	− 7 38	7.3	7.27	3337,3356,3711	04,*01*,*03*
9329	16.8	−39 3	4.9	4.56	3320,3324,3327,3330,3356,3696,3711,3712,3715,4076,4092,4417	09,10,*14*,*19*,12,T,*15*,*22*,*17*,42,06,05
10252	16.9	−26 20	7.4	8.09	3696,3715	01,*01*
4013	17.0	−20 19	7.1	6.94	4074,4077	*12*,13
3834	17.3	− 7 19	7.0	6.80	3337,3356,3711,3715,3721	*04*,08,*08*,07,*05*
2970	17.4	+20 16	8.0	R		
9803	17.4	−27 18	5.0	5.16	3324,4074,4077	*10*,*04*,15
3171	17.7	− 0 11	7.0	6.60	4078,4092	06,*05*
2513	17.9	+29 51	6.5	6.61	4064,4087	*04*,04
777	18.0	+68 15	6.8	6.71	3703,3710,4078	*05*,*14*,18
3729	18.0	−11 15	6.3	*6.32*		. . A
2920	18.1	+ 1 43	6.5	*6.35*		. . A
11034	18.1	−29 13	7.0	6.99	3324,3696,4074	*01*,*11*,11
2452	18.3	+32 59	7.3	7.12	3687,3693	00,01
10083	18.3	−32 38	7.0	6.88	3343,3696,3713,3715	*21*,*09*,17,14
2882	18.5	+ 8 54	5.0	4.76	3354,4432,4442,4446,4456	*13*,00,01,13,*01*
3862	18.5	−15 39	6.7	6.78	4078,4092	10,*10*
1668	18.6	+53 59	7.5	*7.43*		. 06,*06*
2770	18.6	+25 48	6.1	*6.23*		08, . *08*
10265	18.6	−26 18	8.0	7.91	3713,3715,3721,4036,4036	31,12,*30*,*25*,12
842	18.8	+65 49	7.0	7.00	3703,3710,4078	15,*26*,10
9338	18.9	−37 0	7.0	6.58	3327,3343,3712	*05*,*09*,13
2857	19.0	+ 8 42	7.0	*5.74*		. . A
11469	19.1	−24 21	5.7	*5.37*		. *01*,01
781	19.2	+68 16	7.4	7.09	3703,3710	14,*14*
11403	19.2	−30 21	7.5	7.91	3696,3715,3721	*01*,04,*04*
2673	19.3	+11 42	7.0	6.70	3352,3354,4074	14,*07*,*07*
2875	19.3	+ 6 16	5.5	*5.09*		. *15*,15
3736	19.3	−11 13	6.5	6.48	3337,3356,4078	*02*,*05*,08
2760	19.4	+39 48	7.3	*7.17*		A . .
2528	19.4	+37 40	7.2	7.38	3687,3693	07,*07*
2642	19.4	+16 44	7.3	6.77	3352,3354,4074	20,*11*,*08*
2858	19.4	+ 8 33	7.3	6.22	3352,3354,4074	12,*09*,*03*
2951	19.4	− 1 52	7.5	7.40	3337,3356,3721	*10*,10,01
9827	19.4	−27 41	7.3	7.28	3324,3696	*02*,02
2350	19.6	+43 55	7.3	7.58	3723,4049	*08*,08

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2318	19.6	+27 53	6.5	6.61	3699,3705,4064	00,14,*13*
10097	19.6	−32 31	7.5	7.58	3343,3713,3715	*11*,00,12
1422	19.7	+61 26	6.8	7.23	3703,3710	08,*08*
1534	19.7	+60 14	7.3	*7.61*		A . .
2495	19.7	+41 18	6.6	6.65	4049,4063,4417	02,*06*,05
10668	19.7	−28 27	7.0	6.94	3324,3715,4074	*22*,00,21
4042	19.9	−12 54	6.7	6.59	3337,3356,4078	02,*08*,05
3879	19.9	−19 31	7.3	6.66	3337,3356,4431	*20*,38,*19*
3880	19.9	−19 31	7.0	6.43	3356,4078,4092, 4094	01,*11*,00, 10
2070	20.0	+49 51	7.3	*7.47*		A . .
2496	20.1	+41 30	7.5	7.58	4049,4063	*01*,01
10280	20.1	−26 24	7.0	*6.48*		. *05*,06
885	20.2	+67 0	7.3	8.12	3703,3710	14,*15*
2697	20.2	+21 49	7.1	*7.48*		. A .
997	20.4	+64 44	7.5	*7.75*		A . .
9375	20.4	−39 4	7.5	7.15	3327,3330,3712	07,*08*,01
2075	20.5	+50 0	7.3	*7.22*		A . .
10114	20.5	−32 48	7.3	7.10	3343,3713,3715	*06*,*08*,14
8918	20.6	−39 26	6.8	6.34	3327,3330,3712	*01*,*05*,07
9378	20.8	−38 24	7.5	7.76	3330,3712,3715, 4067,4074,4077	*18*,*09*,42, *16*,03,*04*
2927	20.9	+1 27	7.0	7.01	3352,3354,4074	09,*12*,03
2199	21.0	+48 17	7.5	7.35	4049,4063	*08*,08
532	21.3	+75 31	7.5	*7.97*		A . .
994	21.3	+65 12	7.5	*7.30*		A . .
2764	21.4	+38 50	6.3	6.22	4064,4087	*04*,03
2569	21.4	+26 43	7.5	7.60	3699,3705	*02*,02
9638	21.5	−35 0	7.2	6.98	3713,3715,4067	02,09,*11*
2883	21.7	+6 24	7.5	7.24	3352,3354,3356	10,*11*,01
1804	21.8	+52 19	4.0	3.86	3711,3714,4049, 4063	24,*24*,*02*, 01
2810	21.8	+19 41	6.4	5.28	4074,4432,4442, 4446,4456	*01*,01,*11*, 17,*06*
1678	21.9	+54 2	6.8	*7.26*		A . .
3959	21.9	−14 23	7.0	7.26	3337,3356	*05*,05
3906	21.9	−21 32	7.2	7.26	3715,3721	05,*04*
2685	22.1	+10 27	7.4	*7.16*		. A .
3880	22.1	−5 40	6.5	*6.16*		09,*01*,*08*
1131	22.3	+63 24	7.2	7.13	3703,3710	12,*12*
4055	22.4	−12 55	6.8	6.69	3337,3356,4078	02,02,*03*
10712	22.4	−29 3	4.8	4.94	3721,3729,4432	09,*04*,*04*
2535	22.5	+29 2	7.5	8.10	3699,3705	*04*,03
2714	22.7	+15 12	7.0	*7.34*		A . .
3849	22.9	−2 34	7.3	7.50	3337,3356	11,*10*
2957	23.0	−1 47	5.0	*5.01*		. . A
3945	23.2	−9 34	6.5	6.90	4078,4092	18,*19*
847	23.3	+66 26	6.8	7.14	3703,3710	07,*08*
4009	23.4	−6 27	5.7	5.66	3337,4431,4455	10,*15*,05
10724	23.4	−28 40	7.2	R		
9393	23.4	−36 36	7.3	7.73	3330,3343,3712	08,*08*,01
2504	23.5	+41 28	6.5	6.50	3714,4049,4063	*13*,00,14
2896	23.6	+3 14	7.3	7.10	3352,3354	00,*01*
3695	23.6	−4 47	6.8	6.78	4078,4092	04,*04*
2538	23.7	+29 43	7.2	*7.61*		A . .
2688	23.7	+10 47	7.7	*7.90*		. A .
10367	23.7	−25 34	7.2	7.03	3715,3721,4074	*06*,*08*,14
R	23.7	−44 53	. .	5.75	3712	A
2493	23.8	+36 2	7.5	7.48	3687,3698	10,*09*
2871	24.0	+4 10	7.5	7.04	4352,4354	16,*15*
11523	24.0	−25 6	7.6	7.58	3715,3721	01,*01*
2331	24.1	+28 44	7.5	6.42	3699,3705,4064,	*05*,*02*,07
2332	24.2	+28 44	7.0			
2083	24.2	+49 50	7.0	*7.27*		A . .
2495	24.2	+36 39	6.5	6.19	3687,3693,4064	*20*,*02*,21
8964	24.2	−40 2	7.3	7.31	3343,3712,4074, 4077,4098,4432, 4456,4464	02,07,14, *33*,*26*,*09*, R,44
2575	24.3	+26 18	7.0	7.01	3699,3705	*14*,13
9839	24.3	−33 11	7.5	7.80	3713,3715,4067	*02*,18,*15*
2658	24.4	+21 13	7.0	7.46	3699,3705	*06*,07
1503	24.7	+58 46	7.3	7.54	3714,4049	*09*,09
1541	24.8	+60 10	7.3	*7.96*		A . .
2941	24.8	+1 16	6.1	*5.85*		. . A
3634	24.8	−3 48	6.8	6.95	3337,3356,4078, 4092	15,*05*,02 *12*
3968	24.8	−14 48	7.3	*7.11*		A . .
2785	24.9	+40 4	7.3	*7.67*		A . .
9430	24.9	−38 26	6.6	6.07	3330,3343,3692	*01*,03,*02*
3917	25.0	−22 1	7.0	6.89	3715,3721,4074	*15*,*07*,22
8971	25.0	−39 57	7.1	6.85	3330,3330,3343, 3692,3715,4094, 4464	05,*05*,*09*, *05*,01,*29*, 45
2659	25.1	+16 40	7.5	7.42	3352,3354	15,*16*
2084	25.2	+50 18	5.8	5.52	3707,4049,4417	19,*08*,*11*
2621	25.2	+31 6	7.5	7.66	3687,3699	12,*12*
4043	25.2	−20 17	7.3	*7.08*		A . .
9694	25.2	−34 14	7.8	7.50	3713,4067,4074	00,*05*,04
2150	25.3	+47 35	7.0	7.89	3707,3714	07,*07*
3636	25.3	−3 37	7.7	7.30	3337,3356	10,*10*
2358	25.4	+44 42	6.3	6.72	4049,4063	04,*03*
2482	25.5	+32 14	6.5	5.96	3687,3705,4064	09,*04*,*06*
2207	25.6	+48 27	7.5	7.80	3707,4049	*12*,13
2508	25.7	+42 15	6.3	6.45	3707,4049,4063	*06*,01,06
2886	25.7	+5 13	6.3	6.23	3352,4432,4442, 4446,4456	17,*04*,*12*, *04*,04
3896	25.8	−5 22	7.8	*7.70*		A . .
2540	26.1	+37 37	7.5	7.88	3687,3705	*09*,08
11263	26.1	−31 45	7.3	7.74	3713,4067,4074	*05*,*16*,22
1432	26.2	+60 50	7.2	7.28	3703,3710	02,*01*

14^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
749	26.4	+69 42	7.5	*7.79*		A . .
3803	26.4	−23 0	7.0	6.95	3721,4074,4094	*07*,15,*08*
10345	26.4	−26 21	7.3	7.45	3721,3729	*07*,07
3892	26.5	−15 55	7.0	7.82	3337,3356	*06*,06
2888	26.9	+18 5	6.8	7.16	3352,3354	01,00
2808	26.9	+13 18	7.5	7.42	3352,3354	05,*06*
2878	27.3	+ 4 36	7.5	*7.40*		A . .
11519	27.3	−30 17	6.4	6.17	3713,4067,4074	*04*,*20*,24
11783	27.4	−23 35	7.1	7.22	3721,4074	*04*,03
2365	27.5	+43 49	6.8	6.74	4049,4063	11,*10*
2628	27.5	+30 49	4.0	4.03	3693,3705,4064	23,*18*,*05*
2818	27.5	+19 17	7.5	7.52	3352,3354	05,*06*
10196	27.5	−32 53	7.0	7.02	3713,4067,4074	10,*12*,03
527	27.7	+76 8	5.0	4.29	3710,4417,4420	*13*,08,06
2388	27.9	+27 8	6.2	5.83	3699,3705,4419	*14*,10,05
2715	28.0	+22 42	5.3	5.93	4087,4419,4442, 4463	*10*,*24*,05, 28
2889	28.0	+ 5 46	7.2	*6.91*		. A .
2565	28.1	+38 45	2.8	2.97	3693,4419,4424	43,*34*,*10*
2746	28.1	+14 31	7.0	*7.04*		A . .
11296	28.1	−31 31	7.4	7.69	3713,4067,4074	05,*14*,08
447	28.3	+78 57	6.8	*7.21*		A . .
1136	28.4	+63 38	6.2	6.05	3703,3710,4417	*08*,06,02
3892	28.5	−16 23	7.2	7.17	3337,3356	*01*,01
9750	28.6	−35 2	7.5	7.35	3330,3343,3692	03,*14*,10
3929	28.7	−21 57	7.5	7.42	3721,4074	*01*,02
9469	28.8	−36 46	7.5	7.27	3330,3343,3692	01,05,*06*
1547	29.0	+60 40	6.2	6.20	3703	A
2308	29.0	+49 38	7.0	*7.82*		A . .
787	29.1	+68 31	7.2	7.18	3703,3710	*04*,04
3903	29.2	−20 0	6.7	6.49	4051,4078,4431	10,04,*15*
8794	29.2	−41 5	6.3	5.56	4419,4419	01,*01*
8917	29.2	−41 43	2.5	2.55	3356,3712,3715, 4076,4090,4092, 4419,4419,4420, 4420	*13*,*01*,02, 12,10,10, *14*,*26*,24, 00
2545	29.3	+37 24	6.8	6.44	3687,3705,4064	*02*,*04*,07
1746	29.4	+55 50	5.9	*6.02*		. . A
2505	29.6	+36 1	7.3	7.65	3687,3705	11,*11*
2417	29.9	+43 27	6.5	6.82	3707,4049,4063	*05*,24,*19*
2474	29.9	+32 59	6.8	6.28	3687,3705,4064	*07*,20,*14*
9774	30.0	−34 29	7.7	7.66	3692,3713,4074	02,*09*,06
3909	30.2	− 5 23	7.5	*7.75*		A . .
9047	30.2	−39 10	6.6	6.12	3343,3692,4067, 4419	18,18,*01*, *33*
1719	30.3	+53 20	7.3	7.37	3707,4049	01,*01*
2536	30.3	+30 11	5.0	4.43	3687,3696,4419	05,*20*,14
2814	30.3	+13 33	7.0	7.12	3352,3354	*05*,04
2158	30.4	+47 13	6.2	6.57	3707,4049,4063	04,22,*26*
3933	30.4	−21 45	7.5	7.06	3721,4077,4094	*05*,21,*15*
2570	30.5	+38 26	7.5	7.93	3687,3696	*05*,05
2551	30.5	+37 4	6.2	6.24	3687,3696,3705	06,*17*,10
3715	30.5	− 4 50	7.3	*7.50*		A . .
3874	30.5	− 8 9	7.0	7.06	3337,3356,4051	*15*,00,16
9050	30.5	−39 47	6.2	5.81	3330,3343,3352, 3692,3711,3712, 3713,3715,4067, 4076,4090,4092, 4098,4419,4455	*28*,*12*,40, 13,*07*,03, *07*,14,*21*, 14,18,14, 14,*47*,*12*
9491	30.6	−36 14	7.2	7.48	3343,3692,3712	*11*,*05*,17
9936	30.7	−27 50	7.7	8.00	3721,3729	*20*,20
3805	30.9	− 9 11	7.5	7.64	3337,3356	07,*08*
9499	30.9	−37 6	7.5	7.37	3343,3692,3712	*08*,21,*12*
2695	31.0	+11 30	7.5	7.44	3352,3354	00,*01*
2710	31.1	+10 12	7.3	*7.48*		A . .
1519	31.2	+57 30	6.3	*6.37*		. . A
2095	31.2	+49 48	5.7	5.96	4049,4417,4420	*02*,*03*,05
855	31.5	+65 50	6.7	6.63	3703,3710,4087	10,*07*,*03*
2710	31.6	+23 41	6.3	6.48	3696,3699,4064	05,*02*,*03*
3648	31.7	− 3 51	7.3	7.75	3337,3356	05,*05*
3770	31.7	−11 53	6.0	*6.24*		. 05,*04*
3649	31.9	− 3 28	6.8	7.05	3337,3356	05,*05*
9511	31.9	−36 35	7.3	7.72	3343,3692,3712	03,*12*,10
2820	32.0	+13 18	7.2	6.90	3354,4051,4092	06,22,*27*
9529	32.0	−38 22	6.7	6.29	3343,3692,3712	04,02,*05*
1141	32.1	+63 38	7.3	7.38	3703,3710	00,*01*
2348	32.1	+27 56	7.0	*6.96*		. 03,*03*
3819	32.3	−22 44	7.5	7.68	3721,4077	*05*,05
9807	32.3	−34 51	7.0	6.69	3343,4067,4074	12,*09*,*03*
2804	32.4	+24 54	7.5	*7.56*		00,00
2844	32.5	+ 2 43	6.9	6.62	3352,3354,4051	18,*03*,*15*
843	32.6	+67 14	7.3	7.54	3703,3710	03,*02*
3725	32.6	− 5 7	7.4	*7.25*		A . .
4104	32.7	−12 28	7.0	7.40	3337,3356	*04*,03
856	32.8	+66 25	7.3	7.87	3703,3710	03,*03*
9683	32.8	−35 10	7.0	7.44	3343,3692,3712, 4419	*06*,08,*01*, 00
2544	32.9	+34 7	7.5	7.46	3687,3696	05,*04*
482	33.0	+81 15	6.7	*7.10*		A . .
2422	33.1	+43 16	7.0	6.70	3707,4049,4063	*14*,18,*03*
2509	33.1	+36 22	6.5	6.97	3687,3696,4064	22,*20*,*03*
3873	33.2	− 3 11	7.0	7.35	3337,3356	*05*,05
10266	33.2	−32 57	7.4	7.36	4067,4074,4094	10,16,*27*
3822	33.3	−22 53	8.0	7.65	3721,4077	03,*03*
9092	33.4	−39 8	7.3	7.59	3343,3692,3712	*19*,19,01
2906	33.6	+18 44	6.1	6.00	3352,4431,4432	07,*07*,00
3975	33.6	−10 8	7.0	6.90	4051,4078	*06*,05
11606	33.6	−24 36	7.1	*8.09*		. A .
10415	33.8	−26 18	6.9	6.99	3721,3729,4077	*03*,*14*,18
1014	34.0	+63 54	7.4	7.84	3703,3710	03,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
10419	34.2	−26 42	7.2	7.25	3721,3729	01,*01*
1815	34.5	+52 28	7.5	7.96	4049,4063	*14*,14
2376	34.5	+44 4	6.0	*5.90*		. 10,*10*
3922	34.6	−15 46	7.3	7.67	3337,3356	*01*,01
10476	34.6	−25 50	6.9	6.94	3721,3729,4077	*10*,13,*02*
10870	34.6	−28 53	7.5	7.64	3721,3729	*07*,08
1816	34.7	+52 0	6.8	6.79	4049,4063,4417	01,*01*,00
2404	34.9	+27 14	8.2	8.50	3713,3715	00,*01*
11381	34.9	−31 54	7.2	7.84	4067,4074,4094	*04*,19,*14*
9702	34.9	−35 43	6.2	5.68	3343,3352,3692, 3711,3715,4074, 4076,4090,4092, 4419	*15*,07,09, *16*,*04*,12, 03,*11*,09, 10
3944	35.0	−13 37	7.0	7.16	3337,3356	*15*,15
3924	35.0	−15 47	7.3	7.47	3337,3356	*21*,21
1693	35.1	+54 27	5.8	*5.47*		. . A
2204	35.1	+44 50	5.3	*5.45*		12, . *12*
11858	35.1	−23 37	7.2	7.22	3721,4077	01,*01*
10482	35.1	−25 59	7.5	7.37	3721,3729	*06*,06
R	35.3	−46 58	. .	3.13	3712,3712	07,*07*
3946	35.4	−22 11	7.3	7.09	3721,4077,4094	*14*,06,08
1702	35.5	+55 16	7.4	*7.61*		A . .
9618	35.7	−37 21	4.2	4.09	3337,3338,3352, 3696,3699,3705, 3709,3711,3712, 4067,4076,4090, 4103,4419,4419	05,07,07, *27*,09,34, *05*,10,*11*, *29*,18,*09*, 22,*17*,*18*
2731	35.8	+22 24	6.0	*6.14*		. 11,*12*
3939	35.8	−19 30	7.3	7.20	3337,3356	06,*06*
2769	35.9	+13 57	6.5	*5.98*		00, . 00
11245	35.9	−29 16	7.2	7.16	3721,3729	03,*03*
11624	35.9	−30 30	6.6	6.30	4074,4094,4103, 4432,4455,4456	07,*22*,16, 14,*31*,18
2578	36.0	+38 31	7.0	7.70	3687,3696	*02*,02
2642	36.0	+30 52	7.5	7.70	3687,3696	04,*03*
2768	36.0	+16 51	3.8	*4.49*		. . A
9989	36.1	−27 38	7.2	7.30	3721,3729	*09*,10
1695	36.2	+53 52	7.3	7.21	4049,4063	*15*,15
10306	36.2	−32 20	6.9	6.68	4067,4074,4094	*05*,11,*06*
10003	36.2	−33 12	7.2	7.47	4067,4074,4094	*03*,13,*09*
3223	36.3	+ 0 32	7.5	8.14	3352,3354	06,*05*
2770	36.4	+14 9	3.5	*3.88*		. . A
448	36.5	+80 5	6.3	*6.46*		*03*, . 04
3829	36.6	−22 59	7.2	7.23	3721,4077	*08*,08
9991	36.6	−27 21	7.5	7.78	3721,3729	*07*,08
3789	36.7	−11 48	7.0	7.10	3337,3356	06,*07*
2903	36.8	+ 8 35	5.5	*5.06*		. *04*,03
1017	36.9	+64 44	7.3	*7.45*		A . .
2729	36.9	+12 5	5.3	*5.64*		. *04*,05
2579	37.0	+38 34	7.2	7.34	3687,3696	09,*09*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3882	37.1	−18 53	7.0	7.00	3356,3711,4051	04,*07*,02
1018	37.2	+64 35	7.0	*7.50*		A . .
2844	37.2	+18 55	7.5	7.56	3352,3354	01,00
2816	37.3	+24 57	7.5	*7.61*		A . .
1520	37.4	+58 8	7.3	7.78	4049,4063	*08*,09
1981	37.4	+45 50	7.3	7.70	3707,4049	*02*,03
2674	37.4	+21 33	6.5	6.43	3696,3705,4064	*06*,04,02
11637	37.4	−24 34	5.8	5.73	3721,4076,4077, 4094	07,05,02, *15*
9597	37.4	−39 2	7.5	7.37	3692,4067,4432	15,*08*,*06*
11263	37.5	−29 46	7.6	7.69	3721,3729	*03*,03
9868	37.5	−34 44	4.8	4.34	3337,3338,3352, 3699,3705,3709, 3729,4067,4074, 4090,4419	*16*,05,*10*, *09*,03,*02*, 11,04,20, *06*,*01*
863	37.8	+66 46	7.2	7.43	3703,3710	12,*12*
1819	37.8	+52 40	6.8	7.22	4063,4078	00,01
3936	37.8	− 5 13	4.2	*3.94*		09, . *10*
11267	37.8	−29 34	7.3	7.18	3721,3729	*07*,07
2749	38.0	+15 8	6.7	6.58	4051,4092	13,*13*
3984	38.0	− 9 16	6.3	*6.62*		A . .
1523	38.2	+58 22	6.8	7.06	4049,4063,4078	*05*,16,*11*
650	38.3	+72 42	7.3	7.95	3710,3730,3742	03,*22*,20
1821	38.3	+51 48	7.2	7.24	4049,4063	06,*05*
11880	38.5	−23 42	7.2	7.05	3721,4077,4094	*04*,18,*15*
2568	38.6	+37 10	6.8	7.26	3687,3705	06,*07*
2981	38.6	− 2 5	7.0	*7.17*		A . .
1822	38.8	+52 26	7.0	7.47	4049,4063,4078	*01*,05,*04*
9888	38.8	−34 46	5.4	4.98	3337,3338,3343, 3352,3699,3705, 3709,3729,4090, 4419	00,*19*,*17*, 16,00,*08*, 06,23,*09*, 09
3897	38.9	− 7 49	6.5	6.60	3356,3711,4051, 4474,4474,4474, 4474	06,*06*,*05*, 17,*10*,*06*, 05
9765	39.1	−35 43	7.1	7.32	3343,3692,4432	*19*,31,*12*
3890	39.3	− 2 57	7.4	7.48	3356,3711	*08*,07
3986	39.4	− 9 16	7.0	6.84	3356,3711,4051	*08*,*09*,18
1451	39.5	+61 41	6.0	6.19	3324,3327,3330, 3337,3343,3354, 3687,3693,3696, 3699,3703,3705, 3707,3709,3710, 3713,3715,3723, 3729,3730,3737, 3740,3741,4036, 4049,4067,4076, 4078,4090,4091, 4094,4097,4417, 4419,4419,4420,	*04*,*22*,08, 16,*03*,09, *01*,29,*06*, *02*,19,02, *09*,*03*,09, 00,*08*,*21*, *02*,*19*,01, 25,29,*10*, 23,16,*12*, 04,06,*06*, 05,*12*,*12*, *12*,*02*,*11*,

14^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4424,4431,4446,	04,12,*09*,
					4455,4458,4463,	*35*,*06*,05,
					4464	01
2850	39.6	+18 54	7.4	7.46	3352,3354	01,00
2523	39.8	+40 51	5.5	5.90	3723,4049,4063,	*17*,*04*,09,
					4114	14
2867	40.1	− 0 59	6.0	*6.18*		. . A
1700	40.2	+54 13	7.0	7.24	3723,4049	*01*,02
11661	40.2	−25 1	5.2	*4.94*		. *07*,06
9605	40.2	−36 48	7.5	7.96	3343,3692,4098,	*24*,14,38,
					4432	*28*
4172	40.3	−17 16	7.3	7.49	3356,3711	*03*,03
3844	40.3	−22 48	6.3	*5.85*		. *05*,05
2972	40.4	+ 1 9	6.5	*5.48*		. . A
2780	40.5	+17 23	4.5	*4.57*		. . A
4023	40.5	−15 3	6.2	*6.60*		*09*,26,*18*
4087	40.5	−20 45	6.4	6.44	4077,4094	10,*09*
2417	40.6	+27 30	2.3	2.59	3696,3705,4090	05,05,*10*
2718	40.6	+11 1	6.5	*7.06*		. A .
2565	40.7	+30 42	7.3	7.65	3687,3696	03,*03*
2914	40.7	+ 8 35	7.5	7.06	3352,3354,4051	*02*,*13*,15
2214	40.8	+45 36	6.8	*6.84*		A . .
2854	40.8	+19 18	6.5	6.88	4051,4092	27,*28*
3903	40.9	− 7 23	7.1	7.21	3356,3711	*13*,13
9686	40.9	−37 52	6.4	6.09	3343,3692,4097	*11*,30,*18*
2838	41.0	+13 32	7.2	*6.70*		. A .
2489	41.1	+33 13	6.6	6.47	3687,3705,4064	18,18,*35*
2737	41.1	+10 28	7.5	7.48	3352,3354	*04*,05
2862	41.2	+ 2 19	4.0	*3.80*		. . A
2758	41.4	+15 33	5.5	*5.97*		. . A
2739	41.4	+10 4	7.5	*7.17*		A . .
4093	41.5	−20 55	6.3	*6.11*		*04*, . 04
10534	41.5	−25 12	6.1	*5.54*		. 00,*01*
9222	41.5	−39 30	7.0	6.93	3343,3692,4432	*09*,39,*30*
1454	41.6	+61 32	6.3	6.60	3710,3730,3742	03,07,*09*
2531	41.7	+42 48	7.0	7.24	4049,4063,4078	19,00,*20*
2762	41.8	+15 17	7.5	*7.84*		A . .
3980	41.8	−13 25	9.0	9.25	3713,3715,3721	04,01,*04*
11467	41.8	−31 49	7.4	7.69	4074,4094,4097	01,04,*05*
1456	41.9	+61 12	7.5	7.82	3710,3730,3742	15,05,*20*
451	42.0	+80 12	7.0	*7.48*		A . .
1560	42.0	+60 29	7.3	7.46	3723,4049	03,*02*
2981	42.0	+ 1 23	7.2	6.59	3352,3354,4051	*19*,10,08
10537	42.0	−25 40	5.5	5.37	3729,4094,4432	13,*07*,*06*
10519	42.1	−26 13	6.3	*5.67*		. 00,00
9810	42.3	−35 25	7.1	6.84	3343,3692,4094	*08*,15,*08*
3024	42.4	+20 18	7.5	*7.60*		A . .
4134	42.4	−12 26	6.0	*6.42*		. 07,*06*
9645	42.4	−36 13	6.8	6.88	3327,3330,3337,	*13*,08,01,
					3343,3692,4464	*28*,18,16

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
11680	42.6	−25 4	7.2	7.02	3721,3729	05,*05*
3749	42.8	− 5 6	7.3	*7.70*		A . .
2863	42.9	+19 29	7.5	*7.35*		A . .
3939	43.0	−16 55	7.0	6.97	3356,3711,4051	09,*14*,04
1951	43.2	+50 49	7.0	7.45	3723,4049	06,*06*
2776	43.2	+24 31	7.5	*7.51*		A . .
2530	43.3	+36 0	7.5	7.64	3687,4087,4090,	10, R,*12*,
					4420,4424,4442,	23,07,08,
					4446,4470	*34*,00
1583	43.5	+57 2	6.3	6.60	3723,4049,4063	*23*,05,19
11916	43.6	−23 51	6.3	*5.82*		. *02*,01
11497	43.7	−32 0	7.2	7.01	4074,4097,4098	00,*06*,05
2531	43.8	+36 5	7.5	7.59	3687,4087,4090,	*18*, R,01,
					4420,4424,4442,	37,*11*, R,
					4446,4470	*04*,*05*
2886	43.8	− 0 26	6.7	*6.06*		02, . *02*
3986	43.8	−13 44	6.0	5.38	3713,3715,3721	03,*07*,03
3966	43.8	−19 29	7.3	7.06	3356,3711	08,*08*
2240	43.9	+48 20	7.4	7.86	4049,4063	19,*19*
9666	43.9	−36 58	7.5	7.75	3692,4097,4432	*02*,21,*19*
2779	44.0	+24 47	6.1	*6.04*		12, . *11*
2946	44.0	+ 6 23	7.5	*6.77*		. *03*,03
3909	44.1	− 8 5	6.8	7.08	3356,3711,4431,	*22*,*04*,*14*,
					4472,4472,4472,	13,04,02,
					4472	21
10979	44.1	−28 37	7.2	7.27	3721,3729	*01*,01
2935	44.3	+18 38	7.5	7.42	3352,3354	*05*,04
3841	44.4	− 8 47	7.2	7.51	3356,3711	*05*,05
1567	44.5	+60 8	6.8	*7.21*		A . .
10073	44.5	−27 32	4.8	4.73	3721,3729,4432	19,*16*,*02*
9693	44.5	−38 58	7.5	8.09	3692,4094,4097	07,*23*,16
2748	44.6	+10 28	7.0	6.77	3352,3354,4051	07,06,*14*
4141	44.6	−13 5	8.0	7.86	3711,3713,3715,	*01*,06,*08*,
					3721	03
4039	44.6	−15 6	7.0	*7.21*		A . .
11511	44.6	−32 2	7.4	7.49	4074,4097,4098	13,*14*,00
2925	44.7	+ 8 25	7.5	*6.91*		. *06*,06
2839	44.9	+25 35	6.8	6.94	4064,4087,4090	09, R,*08*
3026	44.9	+19 56	6.9	6.94	4064,4087,4091,	*25*, R,*03*,
					4420,4424,4446,	40,*05*,*08*,
					4470	02
2749	44.9	+10 37	7.5	7.54	3352,3354	10,*11*
2730	45.0	+10 55	7.4	6.96	3352,3354,4051	08,*13*,04
3814	45.1	−11 36	7.0	7.14	3356,3711	*01*,00
R	45.1	−43 9	. .	4.42	3709,3712,4419,	*18*,26,*01*,
					4419,4432	11,*16*
2593	45.2	+38 13	6.2	6.14	3687,4420,4424	10,15,*25*
2744	45.2	+23 27	7.0	6.91	4064,4091,4420,	*04*,04, R,
					4424	00
3965	45.2	−15 35	5.3	5.38	3356,3740,4051,	T,07,25,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4092,4094,4431, 4456,4470	*23*,*12*, R, *25*,27
652	45.3	+72 23	6.8	*7.40*		. ▲ .
3966	45.3	−15 38	3	2.68	3356,4431,4456	20,*18*,*01*
11934	45.4	−23 26	7.7	7.60	3721,4077	00,*01*
2841	45.5	+25 9	7.0	6.62	4064,4091	*17*,16
4045	45.6	−14 37	7.5	7.10	3356,3711	01,00
1015	45.7	+65 39	7.5	7.22	3730,3742	*13*,14
2581	45.7	+29 1	6.2	5.66	4064,4420,4424	*12*, R,11
9689	45.7	−36 13	7.3	8.11	3692,4094,4103, 4432	25,37,*49*, *14*
1993	45.8	+46 32	6.0	5.94	4049,4417,4420	14,*13*,*02*
2786	45.8	+24 20	5.8	5.97	4091,4420,4424	06, R,*06*
2852	45.8	+13 12	7.5	7.52	3352,3354	05,*06*
2991	45.8	− 1 53	4.5	4.96	3356,3711,4431	14,12,*26*
3994	45.8	−13 11	7.5	7.72	3711,3713,3715, 3721,3740	*24*,09,*02*, 11,06
3253	45.9	+ 0 9	6.5	6.41	3352,3354,4467	16,*05*,*11*
2177	46.0	+47 1	7.0	7.56	4049,4063,4078	07,12,*19*
4196	46.0	−17 21	6.7	6.67	3711,3740,4051	*18*,19,*02*
1708	46.1	+54 38	7.3	*7.33*		▲ . .
4200	46.2	−17 56	6.4	*6.82*		. ▲ .
1957	46.3	+51 48	6.3	6.42	3723,4049,4063, 4420,4424,4458	*09*, R,02, 08,06,*08*
2326	46.3	+49 7	5.8	5.74	3723,4063,4420	*24*,17,06
2580	46.6	+37 40	5.7	*5.50*		. . ▲
11780	46.6	−30 10	6.7	*6.37*		. . ▲
9760	46.6	−37 23	5.7	5.01	3337,3338,3354, 3692,3699,3709	03,15,*12*, 27,*07*,*26*
2870	46.8	+19 31	5.0	*4.66*		. *01*,01
9766	46.8	−37 50	6.8	6.60	3692,4094,4097	27,*21*,*05*
1741	47.0	+52 49	7.3	7.09	3723,4049,4063, 4420,4424,4458	*15*, R,*07*, 20,10,*10*
653	47.1	+72 2	7.5	7.77	3730,3742	00,00
4003	47.2	−13 34	9.0	9.14	3713,3715,3721	*03*,02, R
3821	47.4	−11 58	7.3	7.70	3711,3740	13,*13*
9315	47.4	−39 20	7.3	7.08	3692,4094,4432	04,01,*06*
3032	47.5	+20 43	7.3	6.88	4064,4091,4420	*04*,04, R
10146	47.6	−33 17	7.5	7.73	4074,4097,4098	02,*20*,18
10148	47.7	−33 14	7.1	7.70	4074,4097,4098	*05*,*08*,12
2228	47.8	+45 1	7.3	*8.02*		▲ . .
2229	47.8	+45 21	7.3	7.78	4063,4078	*07*,08
3978	47.9	−19 33	7.5	7.72	3711,3740	*13*,12
10103	47.9	−28 0	7.1	7.49	3721,3729	03,*03*
2790	48.0	+24 12	6.8	*7.31*		▲ . .
536	48.1	+76 29	7.5	7.26	3730,3742	*07*,08
11955	48.1	−23 34	7.4	7.16	3721,4077	*06*,06
2784	48.2	+15 32	7.2	6.81	3352,3354,4051	*04*,*25*,30
10153	48.3	−33 44	7.0	7.13	4074,4097,4103	01,*01*,*01*
10111	48.4	−27 56	6.9	6.62	3721,3729,4076	18,*02*,*16*
3855	48.5	− 8 40	7.3	7.28	3715,4051	*14*,15
11735	48.5	−24 14	5.9	5.53	3721,4103,4432	02,02,*04*
10457	48.5	−32 58	6.3	6.05	4074,4432,4464	*13*,*20*,32
873	48.6	+66 4	7.3	7.25	3703,3730,3742	01,*06*,05
2180	48.6	+46 55	6.5	7.11	4049,4063,4078	29,*09*,*19*
2523	48.6	+32 20	6.7	7.14	3687,4064	11,*11*
9890	48.6	−36 1	7.5	7.16	3692,4094,4097	18,*27*,08
2705	48.7	+16 6	6.2	*6.43*		. . ▲
2957	48.7	+ 6 40	6.7	*6.66*		. 02,*02*
2881	48.7	+ 2 39	7.5	7.14	3352,3354	06,*05*
9736	48.7	−36 6	8.5	8.04	4455,4456	09,*09*
1154	48.8	+63 10	7.0	7.79	3703,3709	19,*19*
2507	48.8	+33 6	7.0	6.87	3687,4064,4091	03,07,*09*
3770	48.8	− 5 9	7.3	*7.75*		▲ . .
1615	48.9	+59 42	5.7	5.63	3723,4098,4110, 4113	*13*,*01*,*06*, 20
2881	48.9	+19 34	6.3	*5.98*		02, . *01*
1744	49.0	+53 0	7.4	7.54	3723,4063	*20*,20
2328	49.0	+49 5	7.3	7.56	4063,4078	08,*08*
3036	49.0	+20 18	7.5	7.02	4064,4091	07,*06*
3827	49.0	−11 29	5.8	5.75	3711,4431,4456	*08*,01,08
3921	49.1	− 7 59	7.5	7.48	3711,3715	*01*,01
9744	49.3	−36 45	7.3	7.48	3692,4094,4103, 4455	13,*02*,*10*, R
3979	49.4	−19 36	7.3	7.39	3711,3740	00,00
2535	49.5	+41 14	7.3	7.96	4063,4078	*02*,02
217	49.6	+86 22	6.8	*7.02*		▲ . .
1767	49.6	+56 9	7.2	7.09	3723,4063,4078	*11*,06,04
10169	49.6	−33 27	5.8	5.34	3338,3354,3699, 3709,4097	*12*,02,*11*, 04,19
11971	50.0	−23 52	8.0	8.02	4098	▲
2790	50.1	+15 44	7.5	7.06	3352,3354	11,*10*
9364	50.1	−39 13	7.5	7.21	3692,4094,4097	29,*12*,*17*
2525	50.2	+32 26	7.5	7.04	3687,4064	04,*03*
2792	50.3	+15 23	7.2	7.01	3352,3354,4051	*14*,05,08
10047	50.3	−34 13	7.3	7.35	4074,4097,4098	19,*05*,*13*
9785	50.3	−39 0	6.7	6.32	3692,4094,4097	09,04,*14*
2625	50.4	+34 49	7.3	*7.87*		▲ . .
2582	50.4	+30 28	6.8	6.86	4064,4091	*02*,02
10480	50.4	−32 14	6.4	6.31	3699,3713,4074	17,*20*,04
2865	50.5	+ 7 13	7.5	*6.88*		. 00,00
3933	50.6	−18 31	7.5	7.74	3711,3740	*05*,04
2866	50.7	+12 50	6.5	6.79	3352,3354,4051	*02*,*13*,15
3970	50.7	−16 23	7.0	7.09	3711,3740	16,*15*
11977	50.7	−23 51	7.2	7.52	4077,4097	04,*05*
2233	50.9	+45 43	7.3	7.86	4063,4078	*12*,12
595	51.0	+74 34	2.1	2.29	3337,3338,3343, 3351,3354,3356, 3687,3699,3703, 3705,3709,3710,	*18*,*11*,24, *08*,*34*,12, *07*,*05*,*04*, 07,08,*08*,

14^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3723,3730,3737,3740,3741,3742,4049,4064,4077,4078,4087,4090,4091,4092,4097,4098,4417,4419,4424,4458,4463,4464,4467,4471,4472	*30*,*08*,03,30,03,15,R,10,08,*20*,09,00,17,*22*,*07*,*31*,15,02,*02*,*07*,*05*,08,30,12,21
3966	51.0	− 5 58	7.5	8.09	3711,3715	*08*,08
2185	51.1	+47 0	6.9	7.44	4049,4063,4078	14,*10*,*05*
10619	51.1	−25 53	7.0	6.81	3721,3729,4076	11,*20*,08
2510	51.2	+33 14	7.5	7.30	3687,4064	*03*,03
4022	51.2	−13 44	8.9	8.40	3713,3715,3721	07,11,*17*
10490	51.2	−32 26	7.3	7.24	3713,4074,4077	*07*,*02*,09
2511	51.3	+33 22	9.5	8.45	3715,4091,4091	*08*,*06*,14
2956	51.3	+ 3 48	7.2	7.10	3352,3354	*10*,09
3989	51.3	−11 0	5.5	5.67	4051,4092,4431,4456	08,*01*,01,*07*
11055	51.3	−28 45	6.5	6.29	3721,4076,4097	18,*18*,*01*
10063	51.3	−34 59	7.1	7.09	4097,4098,4432	*02*,03,*02*
2796	51.5	+14 51	6.2	*5.78*		06,*04*,*01*
1572	51.6	+59 55	7.4	*7.31*		A . .
2827	51.6	+40 3	7.3	*7.52*		A . .
2798	51.6	+24 48	6.7	6.92	4064,4091	01,00
4125	51.6	−20 58	6.0	*5.69*		05, . *05*
10492	51.6	−32 26	7.5	7.73	3713,4074,4077	02,*14*,13
11772	51.7	−25 2	7.1	*7.37*		. A .
2531	51.9	+32 43	6.3	6.11	3687,4064,4091	10,*18*,09
9930	51.9	−35 40	7.5	7.71	3692,4094,4097	26,*19*,*08*
2587	52.0	+36 51	7.3	7.84	3687,4064	08,*09*
3696	52.0	− 3 56	4.8	*4.60*		. . A
R	52.0	−42 44	. .	2.77	3337,3338,3354,3709,3712,4419,4419,4432	27,38,*60*,16,23,*01*,*10*,*33*
4173	52.1	−12 14	7.5	7.65	3711,3740	11,*11*
2539	52.2	+41 32	6.8	7.21	4063,4078,4110	00,16,*15*
9786	52.2	−36 57	7.2	7.17	3692,4094,4097	07,01,*09*
9813	52.2	−38 32	7.7	7.89	3692,4094,4097	*04*,15,*12*
9402	52.2	−39 30	6.8	6.37	3692,4067,4094,4094	22,*15*,*12*,04
3841	52.3	−12 2	7.0	7.56	3327,3330,3337,3711,3740,4051,4051	*08*,04,20,*32*,05,02,10
3277	52.4	+ 0 14	6.0	*5.81*		. . A
1024	52.5	+65 3	7.5	*7.90*		A . .
2764	52.5	+21 57	6.2	*6.24*		. . A
2715	52.5	+16 48	6.1	*5.74*		. . A
3972	52.5	−16 58	6.8	6.77	3711,3740,4051	11,08,*20*
1750	52.6	+52 58	7.5	7.79	3723,4063	*01*,01
11070	52.6	−28 18	7.5	7.63	3721,3729	17,*17*
9342	52.7	−41 42	3.3	3.22	3338,3354,3712,4432,4478	39,*38*,14,*17*,02
10148	52.8	−27 15	5.9	*5.56*		. 01,00
3994	52.9	−10 45	7.0	6.42	3711,4092,4431,4456,4470	16,*05*,*20*,02,07
4004	52.9	−22 0	7.5	7.53	3740,4051,4432,4472	26,*48*,23,R
9836	52.9	−37 29	6.7	6.41	3692,3707,4094	*01*,04,*02*
2126	53.0	+50 3	6.0	5.71	3723,4063,4420,4424,4458	*25*,08,05,14,*03*
2853	53.0	+25 43	7.5	7.28	4091,4424	*03*,02
2555	53.1	+35 54	7.2	7.27	3687,4064	04,*04*
2891	53.2	+19 23	6.8	6.62	4051,4092,4092	09,*04*,*04*
3875	53.2	− 8 19	7.3	7.22	3711,3715	03,*04*
2855	53.3	+25 5	7.5	*7.21*		A . .
2812	53.5	+14 25	7.0	6.80	4051,4092	16,*15*
3999	53.5	−10 44	6.2	5.91	3711,4431,4456	09,*13*,04
11870	53.5	−30 19	7.0	6.93	3713,4077,4097	*14*,26,*13*
9809	53.5	−36 29	7.3	7.66	3692,3707,4094,4464	21,01,*28*,07
2831	53.6	+40 33	7.5	7.57	3687,4064	*05*,05
2250	53.7	+48 48	7.5	7.81	4063,4078	*05*,05
3783	53.7	− 4 35	6.5	*6.00*		05, . *05*
9423	53.7	−39 24	7.5	7.37	3692,4097,4432	12,10,*21*
9952	53.8	−35 38	7.1	7.26	3692,3692,4067,4432	09,47,*27*,*29*
2438	53.9	+27 13	7.0	7.50	4064,4091	04,*03*
10523	53.9	−32 26	7.5	7.76	4077,4432,4464	21,*24*,02
2241	54.1	+44 52	7.0	*7.22*		A . .
2803	54.4	+24 34	6.8	*7.16*		A . .
4007	54.4	−10 32	7.5	*7.11*		A . .
2856	54.5	+25 27	7.0	7.43	4064,4091	*04*,04
2954	54.5	+ 4 58	6.2	*6.13*		*05*,06,*02*
1539	54.7	+58 2	7.0	7.13	3723,4063	*04*,04
4085	54.7	−14 20	8.4	8.79	3713,3715,3721	10,*11*,02
10230	54.9	−33 26	7.2	7.46	3713,4074,4077	*05*,*22*,28
9863	54.9	−37 40	6.4	6.08	3692,3707,4067	14,05,*20*
495	55.0	+81 9	6.8	*7.20*		A . .
2803	55.3	+15 14	7.2	*7.19*		A . .
501	55.4	+78 34	6.5	6.54	3703,3709,3710	15,05,*21*
2955	55.4	+ 8 2	7.3	7.08	3352,3354	06,*05*
2835	55.6	+40 2	6.5	6.84	4064,4091	*04*,04
9839	55.6	−36 32	7.5	7.80	3692,4094,4097	33,*08*,*25*
2637	55.7	+35 30	7.5	7.77	3687,4091	02,*02*
11646	55.7	−31 9	7.9	7.62	3713,4074,4077	*18*,*01*,18
10244	55.7	−33 58	6.6	6.43	3713,4074,4077	*13*,*19*,31
545	55.8	+75 17	7.2	6.95	4090,4098,4102	R,07,*07*
2820	55.8	+39 40	5.5	5.64	3687,4064,4424	*10*,14,*05*
878	56.0	+66 20	4.5	4.83	3337,3338,3343,	*18*,*29*,*27*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3351,3352,3356, 3692,3699,3705, 3709,3711,3723, 3742,4064,4067, 4077,4087,4098, 4102,4103,4113, 4114,4115,4424, 4458,4458,4463, 4467,4470,4471, 4474,4476,4477, 4478	*08*,*07*,*08*, 03,*10*,02, 05,14,14, 39,03,*14*, *11*,*07*,*13*, *11*,*15*,*14*, *24*,*04*,17, *01*,02,*12*, *25*,08,29, 49,15,20, 30
2966	56.1	+3 17	7.3	6.81	3352,3354,4051	*01*,*12*,12
3928	56.1	−2 21	5.0	5.68	4051,4431,4456	10,*17*,08
10183	56.2	−27 40	6.2	6.08	4077,4432,4464	04,*06*,02
2536	56.3	+32 0	7.3	7.60	3687,4064	13,*14*
2772	56.4	+22 27	6.3	6.45	4064,4091,4102	01,*07*,06
3930	56.4	−2 46	6.5	6.80	3711,3715,4051	*02*,*13*,15
1380	56.5	+62 4	6.8	7.04	3709,3710	07,*06*
2244	56.5	+44 59	6.8	6.98	4063,4078	*08*,09
1724	56.6	+54 15	7.5	6.76	3723,4063,4078	11,*02*,*10*
1725	56.6	+54 16	7.5	7.42	3723,4063	*03*,02
2132	56.6	+49 50	7.5	*8.07*		A . .
3297	56.7	+0 14	6.3	5.87	3354,4110,4113	02,*18*,16
3943	56.7	−7 57	7.0	*7.06*		. A .
3944	56.8	−7 11	6.5	*6.57*		. A .
10560	56.8	−32 15	5.8	5.36	3338,3354,3713, 4097	*03*,*03*,01, 07
431	56.9	+82 56	6.0	*5.70*		01, . 00
9862	57.0	−36 31	7.5	7.82	3692,4094,4097	26,*21*,*04*
3946	57.1	−7 27	7.1	6.69	3338,3711,4051	*14*,06,07
2192	57.2	+47 40	6.3	6.18	4078,4420,4424	13,*04*,*10*
2838	57.2	+40 29	7.0	7.09	3687,4091	*01*,01
4095	57.2	−14 24	8.7	8.84	3713,3715,3721	*08*,01,06
1972	57.3	+50 58	7.3	7.66	3723,4063	*13*,14
9996	57.4	−35 33	6.7	6.73	3692,3707,4094	31,*11*,*20*
547	57.5	+75 18	7.0	*7.07*		A . .
4243	57.5	−17 14	6.8	7.04	3338,3711	*12*,11
1777	57.6	+56 1	7.0	7.12	3723,4063,4078	*04*,10,*06*
3933	57.6	−2 38	7.0	6.48	3711,3715,4051	02,*03*,00
2861	57.7	+25 24	4.7	*5.00*		. . A
4192	57.7	−12 28	7.3	7.57	3338,3711	02,*02*
11500	57.8	−30 5	7.3	7.71	4074,4097	*17*,17
2725	57.9	+16 26	7.0	6.99	3352,3354,4051	08,*13*,06
2905	57.9	+2 28	4.7	*4.67*		. . A
10196	58.1	−27 40	8.2	7.73	3721,3729,4432, 4472,4478	*03*,*04*,16, 15,*23*
1164	58.2	+63 18	7.5	8.18	3709,3710	02,*01*
2348	58.2	+49 34	7.0	7.52	4110,4420	*06*,07
2840	58.2	+40 47	3.0	3.75	3687,4091,4424	*08*,02,07
11834	58.2	−24 53	3.5	*3.64*		. 02,*02*
10007	58.2	−35 54	7.5	7.89	3692,3707,4094	30,*20*,*11*
882	58.3	+65 52	7.2	6.95	3709,3710,4098	02,*01*,*02*
2962	58.3	+5 13	7.5	*7.66*		A . .
2533	58.4	+33 40	7.1	7.35	3687,4091,4102	03,*17*,15
2537	58.4	+32 4	6.7	6.80	3687,4091	09,*10*
10200	58.6	−27 54	7.2	7.17	3721,3729	07,*07*
9513	58.6	−39 36	7.2	7.47	3692,3707,4094	07,06,*14*
2972	58.7	+18 22	7.2	7.26	3352,3354	01,00
9920	58.7	−37 18	7.5	8.15	3692,3707,4094	13,01,*15*
862	58.8	+67 28	7.5	7.52	3709,3730,3742	*08*,*01*,08
2391	58.8	+28 40	7.0	6.90	3687,4091,4102	02,*05*,03
9257	58.8	−40 41	5.7	5.20	4432,4478	16,*15*
1582	59.1	+60 36	6.0	5.94	3709,4063,4420	*28*,06,21
2642	59.1	+35 36	5.8	5.64	3687,4419,4470	11,01,*11*
2983	59.2	+5 52	6.3	*6.44*		. *06*,06
11523	59.3	−29 36	7.1	7.22	3721,3729	*07*,07
1844	59.4	+52 1	7.3	7.23	3723,4063,4078	*23*,03,19
2446	59.5	+27 28	7.2	6.89	3687,4087,4419	05,02,*08*
3897	59.5	−22 38	7.5	7.34	3721,4077	*20*,20
11949	59.5	−30 10	6.8	6.70	4074,4077,4077, 4097	*12*,15,21, *24*
706	59.6	+71 0	6.8	7.64	3709,3730,3742	06,*02*,*04*
2251	59.6	+45 2	6.2	*6.49*		*04*, . 04
2644	59.6	+34 56	7.1	6.44	4091,4102	*24*,24
3056	59.9	+20 15	7.5	*7.60*		A . .
10710	59.9	−25 24	7.0	6.48	3721,3729,4076	02,06,*09*
10035	0.0	−35 53	6.8	6.63	3692,3707,4067, 4432,4472,4478	32,02,*32*, 14, R,*16*
2447	0.2	+27 20	4.7	4.84	4087,4419,4470	03,02,*05*
4130	0.2	−6 38	7.3	7.52	3741,4051,4092	*03*,04,*02*
3901	0.3	−22 56	8.0	7.07	3721,4076,4077	01,*06*,04
664	0.4	+72 9	6.3	*6.66*		. A .
12059	0.4	−23 45	7.1	6.90	4076,4077,4472	*16*,10,05
2259	0.5	+48 3	4.5	*4.83*		. . A
3972	0.5	−19 0	7.5	7.87	3740,3741	*05*,05
11960	0.5	−30 32	6.5	6.01	3343,3692,3729	*06*,03,04
1780	0.6	+56 26	6.8	6.81	3723,4063,4078	*18*,18,01
4030	0.6	−21 39	6.5	6.11	4076,4097,4098	*12*,*05*,18
885	0.8	+66 22	7.3	7.73	3709,3710	10,*10*
9948	0.8	−37 34	7.4	7.17	3343,3707,4472	*23*,*12*,34
2832	0.9	+39 0	7.0	7.50	3687,4091	04,*03*
2964	1.0	+4 37	7.3	*7.25*		A . .
10600	1.0	−32 32	7.2	7.34	4077,4097,4103	33,*18*,*16*
1584	1.1	+60 26	6.5	6.82	3709,4420,4424	07,01,*07*
4198	1.1	−12 31	7.0	7.32	3338,3740,3741, 4051,4092	*03*,*05*,*03*, *05*,14
4026	1.1	−15 52	5.3	5.28	3338,3711,4051	*20*,03,16
4028	1.2	−16 6	6.8	6.54	4051,4092	05,*04*
2558	1.3	+41 29	7.3	7.48	4063,4078	*03*,03
2995	1.3	+5 55	7.2	7.14	3352,3354	00,*01*

15^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
886	1.4	+66 10	7.5	7.26	3710,4098	*07*,07	2633	5.7	+29 37	7.3	*7.11*		A . .
4118	1.4	−14 17	9.0	9.52	3715,3721	*06*,07	1036	5.8	+65 6	7.2	*7.30*		A . .
12067	1.5	−23 49	7.3	7.35	4076,4077,4097	*20*,30,*10*	2796	5.8	+12 3	6.5	7.09	4051,4113,4114	*04*,23,*18*
335	1.6	+84 20	7.5	*7.12*		04, . *03*	4214	5.8	−12 41	7.5	7.54	3740,3741	*04*,04
1586	1.9	+59 55	7.2	*7.26*		A . .	1167	5.9	+63 30	6.7	6.75	3709,3742,4098	18,*18*,01
2915	2.1	+ 2 44	7.1	6.80	3352,3354,4051	00,*01*,02	12025	6.0	−30 31	7.5	7.72	4077,4097,4098	23,*07*,*16*
2262	2.2	+48 32	5.5	*5.60*		. 00,00	2838	6.1	+39 21	7.5	*7.92*		A . .
887	2.4	+66 18	5.8	6.18	3709,3710	17,*17*	4047	6.2	−15 47	6.5	6.86	4051,4092	01,00
9969	2.4	−37 12	7.5	7.69	3343,3707,4067	*02*,*07*,10	3030	6.4	− 1 53	7.0	7.02	3715,3741	*11*,12
1782	2.6	+56 4	7.5	7.55	3709,3723	17,*17*	10032	6.4	−37 9	7.5	7.62	3343,4067,4103	*03*,03,*01*
2774	2.6	+10 55	7.5	7.74	3352,3354	10,*11*	2991	6.5	+ 3 35	6.8	8.55	3352,3354,3354,	05,*06*,*06*,
2608	2.7	+36 50	6.1	*6.27*		. . A						3356,3356,4051,	08,*02*, R,
3001	2.7	+ 5 52	6.3	6.14	3352,4431,4470	10,*15*,05						4051	R
3881	2.7	−11 40	7.5	7.60	3338,3740	*01*,02	3997	6.5	−18 44	6.6	6.77	3711,3740,4051	09,*08*,00
9996	2.7	−38 9	7.5	7.05	3343,4067,4103	01,11,*12*	4047	6.5	−19 25	4.5	4.53	3696,3696,3699,	*02*,*22*,*07*,
2776	2.8	+23 18	7.3	7.26	3687,4087,4091	*06*,08,*01*						3699,3707,3707,	*02*,00,09,
2924	2.8	+18 50	6.1	*6.02*		*17*,33,*15*						3711,3713,3713,	15,*09*,*14*,
3000	2.8	+ 9 37	7.0	6.76	4051,4092	*01*,01						3713,3713,3713,	16,*10*,*14*,
3730	2.8	− 3 23	7.5	7.74	3715,3741	*04*,05						3713,3715,3715,	*07*,*01*,04,
2873	2.9	+25 16	4.8	*5.03*		. . A						3715,3715,3715,	*13*,16,11,
3904	3.1	−22 41	7.7	7.99	3707,4076	*04*,04						3715,3721,3721,	01,04,*14*,
10730	3.1	−26 7	7.5	7.13	3721,3729	*04*,04						3721,3729,3729,	*17*,*11*,01,
10236	3.1	−27 59	7.3	7.61	3721,3729	00,00						3729,3730,3730,	*13*,*19*,*05*,
1730	3.4	+54 56	5.5	*5.24*		*03*, . 03						3730,3731,3731,	*03*,*03*,*25*,
10076	3.4	−35 29	7.5	6.98	3343,4098,4103	*12*,09,03						3731,3740,3740,	14,*31*,32,
4017	3.5	− 5 47	7.5	8.04	3741,4051	00;01						3740,3741,3741,	02,42,22,
4081	3.5	−13 37	7.5	7.42	3338,3740	02,*01*						3741,3742,3742,	17,*18*,*26*,
2629	3.7	+28 53	7.3	7.35	3687,4087,4091	03,06,*09*						3742,3752,3752,	*21*,30,25,
10020	3.7	−38 25	6.6	6.06	3343,4067,4103	*06*,*03*,10						3752	35
2899	4.0	+12 52	7.0	7.16	3352,3354	01,00	2550	6.6	+33 28	7.2	7.10	3687,4091	16,*16*
2656	4.1	+26 41	6.3	*5.67*		. . A	1554	6.7	+57 30	7.3	7.19	3709,3723	09,*09*
2901	4.1	+13 37	6.2	*6.07*		. . A	*4048*	6.7	−16 2	7.2	7.28	3711,3740,3741	R,*07*,08
4036	4.1	−20 9	7.3	*7.18*		A . .	890	6.8	+66 11	6.5	6.82	3709,3710,4098	*04*,*18*,21
12101	4.1	−23 36	6.8	6.81	3707,4076,4077	*04*,*06*,11	4273	6.8	−17 43	7.0	7.00	3338,3711,4051	*08*,02,05
2876	4.2	+25 29	6.3	*5.94*		*03*, . 03	10119	6.9	−35 43	6.4	5.97	3343,4067,4067,	06,*20*,07,
1762	4.3	+53 8	7.3	7.24	3709,3723	03,*04*						4098	07
2604	4.3	+34 5	7.0	6.89	3687,4091,4102	13,*07*,*05*	*1039*	7.0	+64 55	6.8	*7.20*		A . .
3818	4.3	− 5 1	7.0	*7.15*		A . .	3076	7.0	+20 27	7.2	R		
10758	4.4	−25 57	6.2	5.94	3721,3729,4076	17,*08*,*10*	2804	7.0	+10 36	7.1	6.78	3352,3354,4051	*24*,05,20
2970	4.5	+ 4 15	6.8	*7.02*		A . .	*2799*	7.1	+21 55	7.5	7.62	3687,4087	00,01
4263	4.5	−17 41	7.5	8.04	3338,3740	*02*,01	2805	7.1	+10 10	7.3	*7.47*		A . .
1763	4.6	+53 23	7.5	7.54	3709,3723	19,*18*	2935	7.5	+19 22	5.9	5.98	3337,3338,3343,	*13*,*04*,*11*,
2546	4.9	+33 39	7.8	7.26	4464,4467,4476	*04*,08,*05*						4051,4051	06,23
2146	5.1	+50 27	6.8	6.49	4113,4424,4458	19,*06*,*13*	12133	7.5	−28 38	6.6	6.39	3707,4076,4077	*01*,*01*,03
2877	5.1	+25 3	7.3	7.25	3687,4087	13,*13*	2801	7.6	+22 43	6.8	6.84	3687,4087,4091	*05*,12,*06*
10368	5.5	−33 16	7.3	7.28	4077,4097,4098	28,*30*,01	4055	7.6	−19 17	6.5	6.04	3338,3696,3699,	*18*,*12*,*09*,
602	5.6	+74 16	7.5	*7.15*		. A .						3707,3713,3713,	*06*,*06*,03,
670	5.6	+72 16	7.0	*7.60*		. A .						3713,3713,3715,	11,*04*,*03*,
1766	5.6	+53 39	7.1	7.25	3709,3723	29,*29*						3715,3715,3715,	02,10,*07*,
1552	5.7	+58 2	7.5	7.80	3709,3723	22,*22*						3721,3721,3729,	17,04,*17*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					3729,3730,3730,	04,*11*,*25*,	1790	10.3	+56 26	7.3	7.40	3709,4063	01,*02*
					3731,3731,3740,	*21*,05,42,	2640	10.3	+29 32	5.5	*5.20*		. . A
					3740,3741,3741,	32,05,15,	2475	10.4	+43 26	7.0	6.55	4063,4078,4424	*17*,09,07
					3742,3742,3752,	*24*,*16*,06,	2577	10.5	+42 33	6.1	*6.37*		. . A
					3752,4431,4455	33,*22*,09	*4065*	10.5	−22 2	6.0	5.77	4076,4077,4455	*06*,21,*16*
11928	7.7	−24 56	6.5	*7.35*		. A .	*10107*	10.6	−38 5	7.1	6.88	3343,4067,4103	*07*,*10*,17
10086	7.7	−38 7	7.1	6.87	3343,4067,4094	*01*,01,00	2273	10.7	+48 20	7.3	7.46	4063,4424	11,*11*
4055	7.9	−10 38	7.0	6.58	4051,4092	15,*16*	3327	10.7	+ 0 44	5.9	5.76	3356,4431,4470,	*33*,*13*,*11*,
10801	8.0	−25 49	6.2	6.05	3721,3729,4076,	*02*,02,*08*,						4471,4472	18,41
					4077	07	2816	10.8	+10 29	7.1	7.14	3352,3354	10,*11*
2780	8.1	+11 4	6.7	*6.68*		. . A	3847	10.8	− 4 31	7.5	7.14	3715,3741	10,*09*
2844	8.1	+39 3	7.5	7.83	3687,4091,4102,	*14*,*14*,15,	2156	10.9	+50 38	7.5	8.12	3709,4063	*03*,03
2845	8.2	+39 3	7.5		4110	13	3052	10.9	+ 1 10	7.5	7.10	3352,3354	00,*01*
							2926	11.0	+ 6 50	7.1	*6.64*		. A .
2616	8.2	+37 8	6.5	7.53	3687,4091	*20*,20	12173	11.0	−23 39	7.3	7.17	3707,4076,4077	*01*,*14*,16
2937	8.2	+19 28	7.4	*7.37*		03, . *03*	10292	11.0	−34 13	7.1	7.90	4077,4103,4455	24,*09*,*15*
2361	8.3	+49 4	7.5	8.17	4063,4078	*01*,01	2681	11.1	+38 41	7.0	7.09	3687,4091	05,*05*
2939	8.3	+19 40	6.7	6.37	4051,4431,4470	*03*,*10*,14	9720	11.2	−39 26	7.4	7.23	4067,4103,4455	*20*,17,03
4107	8.3	−13 38	7.5	7.43	3711,3740	00,00	2670	11.3	+26 1	6.8	6.67	3687,4087,4091	09,*29*,20
2153	8.4	+50 17	7.4	*7.62*		A . .	4227	11.3	−12 40	7.0	7.02	3740,3752	*04*,05
827	8.5	+70 3	7.2	*7.04*		A . .	*2853*	11.4	+13 51	6.8	*7.54*		A . .
3923	8.5	− 9 7	7.4	7.86	3715,3741	18,*17*	2561	11.5	+33 41	8.0	*3.57*		. . A
11813	8.5	−31 9	5.5	4.96	3343,4076	06,*05*	3992	11.5	− 7 54	7.5	7.95	3741,3752	*19*,19
2846	8.6	+39 21	7.3	*7.74*		A . .	*3935*	11.6	− 9 1	2	2.59	3752,4092,4431	45,*08*,*37*
4007	8.6	−18 35	7.5	7.36	3711,3740	01,*01*	11630	11.7	−29 47	4.7	*4.32*		. *11*,12
2439	8.8	+44 22	7.3	*7.97*		A . .	2818	11.8	+10 4	7.0	6.72	4051,4431,4470,	14,*18*,04,
2944	8.8	− 0 58	7.0	6.66	3715,4051,4092	14,03,*16*						4471,4472	*08*,07
4111	8.8	−13 50	7.0	7.05	3711,3740,3741	*07*,*01*,09	3994	11.9	− 7 29	7.5	7.56	3741,3752	07,*08*
4283	8.8	−18 4	7.0	6.69	3740,3741,4051	*06*,*03*,10	3757	12.0	− 3 49	7.3	*8.23*		. A .
4285	8.9	−17 24	6.5	*6.31*		. A .	2566	12.4	+32 14	9.2	9.53	4464,4467,4476	21,14,*36*
2789	9.1	+23 22	6.4	*6.24*		. . A	3855	12.4	− 4 50	7.5	7.24	4051,4092	09,*09*
143	9.3	+87 37	7.0	*7.20*		06, . *05*	2625	12.5	+37 26	6.8	7.08	3687,4091	09,*08*
3960	9.3	− 3 0	6.7	7.16	3715,4051,4092	*12*,24,*12*	*3758*	12.5	− 4 8	7.3	7.42	3715,3741	14,*13*
10289	9.3	−27 29	7.5	7.37	3721,3729	*03*,03	12117	12.5	−30 51	7.0	6.40	4077,4103,4455,	33,*01*,*27*,
1771	9.5	+53 19	7.5	7.48	3709,3723	24,*23*						4467,4472,4477	09,*09*,*02*
10012	9.5	−36 38	7.5	7.82	3343,4067,4103	*17*,*02*,18	1990	12.8	+51 19	6.3	6.52	3709,4063,4078	*03*,02,01
2363	9.6	+48 57	7.0	7.32	4063,4078	*03*,02	2811	13.1	+22 40	7.0	7.83	3687,4087	03,*03*
3840	9.6	− 5 8	6.5	*6.45*		A . .	*3999*	13.2	− 8 2	7.3	7.60	3741,3752	07,*06*
823	9.7	+68 10	6.5	6.15	3709,3710,4102	05,*17*,11	10441	13.2	−33 40	7.2	7.62	4077,4103,4478	29,*07*,*22*
10292	9.7	−27 14	6.9	6.78	3721,3729,4076,	*08*,*07*,00,	10062	13.2	−36 44	6.7	6.25	3343,4067,4103	*03*,*12*,14
					4077	14	3059	13.3	+ 1 18	7.1	6.72	3352,3354,4051	08,*13*,06
2154	9.8	+50 10	7.2	*7.22*		A . .	*3337*	13.3	− 0 6	6.2	*6.04*		09, . *08*
2629	9.8	+38 39	6.0	6.56	3687,4102,4419	09,*09*, T	12202	13.3	−23 54	7.2	7.17	3707,4076,4077	*01*,*19*,20
894	9.9	+66 1	7.0	7.66	3709,3710	04,*03*	718	13.4	+71 42	7.5	8.32	3709,3710	00,00
1393	9.9	+62 13	7.5	7.34	3709,3710	10,*10*	876	13.5	+67 44	5.2	5.05	3709,3710,4424	*01*,*12*,12
1052	10.0	+64 0	7.5	7.88	3709,3710	*01*,00	*2483*	13.8	+42 56	7.3	7.37	4063,4078	*06*,06
2561	10.0	+32 9	6.5	*6.22*		. . A	3045	13.8	− 1 14	7.3	7.03	3715,4741,4752	*04*,*18*,21
9697	10.0	−39 12	7.1	7.02	3343,4067,4103	*12*,*07*,19	12208	13.8	−23 55	7.3	7.21	3707,4076,4077,	*15*,*30*,34,
1053	10.1	+64 1	7.5	7.60	3709,3710	02,*01*						4455,4458,4467	*08*,05,15
2985	10.2	+ 5 19	5.3	5.42	4051,4431,4470	13,*12*,*02*	*2626*	13.9	+33 58	7.3	6.72	3687,4091,4102,	14,11,*04*,

15^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4464,4467,4476	01,12,*37*
2755	13.9	+20 57	6.2	*5.70*		. . A
3947	13.9	− 8 47	7.0	7.49	3741,3752	12,*12*
2719	14.0	+31 11	7.0	*6.87*		. A .
2823	14.0	+10 48	6.8	6.70	4051,4092	16,*16*
10322	14.0	−34 34	7.5	7.78	4067,4077,4103	*19*,19,*01*
789	14.1	+69 18	6.5	6.56	4102,4114	*22*,22
2477	14.1	+27 12	6.5	6.52	4087,4419,4424	*13*,*05*,19
2944	14.2	+ 2 9	5.0	5.20	3352,4470,4471, 4472	00,*30*,09, 21
4076	14.2	−19 11	7.3	*7.01*		. . A
2279	14.4	+48 7	7.5	7.70	4063,4078	*09*,10
10330	14.5	−27 56	7.0	7.08	3721,3729	12,*12*
2052	14.8	+45 59	6.0	6.87	4063,4078,4424	*03*,00,02
10881	14.8	−25 38	7.0	7.19	3721,3729	*12*,12
9538	14.8	−40 17	3.7	3.30	4478	A
4180	15.1	−14 23	7.5	7.62	3740,3752	*08*,09
10171	15.1	−37 52	6.8	6.46	4067,4103,4458	*08*,02,06
2277	15.2	+45 23	7.4	7.89	4063,4078	05,*05*
4312	15.2	−17 48	6.0	*6.20*		. *04*,05
3866	15.3	− 4 46	6.7	6.75	4051,4092	04,*04*
1182	15.4	+63 8	6.7	6.77	3709,3710,4102	02,02,*05*
2574	15.4	+32 54	6.8	6.32	3687,4091,4102, 4464;4467,4476	11,*10*,01, 00,10,*14*
2845	15.4	+14 55	7.3	*7.73*		*09*,12,*02*
4182	15.4	−15 1	7.3	7.56	3740,3752	11,*12*
4083	15.4	−15 12	6.0	6.16	3740,3752,4431	14,*06*,*08*
10236	15.5	−35 54	3.6	3.72	3707,4113,4458	12,*19*,08
3047	15.6	− 2 3	6.5	6.44	4051,4092	23,*24*
4057	15.8	− 5 28	6.0	5.63	3715,3741,4431	13,13,*25*
4181	15.8	− 6 16	7.0	7.43	3741,4051	*08*,08
10181	15.8	−37 17	6.9	6.62	4067,4103	02,*02*
1637	15.9	+59 9	6.8	*7.31*		A . .
11896	15.9	−31 50	7.2	7.43	4077,4455,4458	28,*19*,*09*
2647	16.0	+29 59	6.0	5.63	4087,4464,4467, 4476,4477	*30*,04,21, *12*,17
3067	16.0	+ 1 4	6.1	5.40	3356,4431,4470	03,*07*,05
4183	16.2	− 6 28	7.0	7.57	3752,4051	01,*01*
10481	16.2	−33 48	7.3	7.50	4067,4077,4103	*17*,31,*13*
10335	16.2	−34 21	7.3	7.87	4067,4077,4103	*27*,26,00
2165	16.3	+50 34	7.0	7.36	3709,4063	*05*,06
1638	16.4	+58 52	6.8	6.94	4063,4078	*01*,01
2592	16.4	+41 20	7.0	6.80	4063,4078,4424	*03*,06,*04*
2723	16.7	+31 17	8.9	9.45	4467,4476	10,*10*
2902	16.7	+25 20	6.0	6.44	4091	A
11311	16.7	−29 0	6.6	6.61	3721,3729,4077	*10*,*04*,15
2724	16.8	+31 49	7.3	6.86	4464,4467,4477	*02*,06,*03*
10103	16.8	−36 30	5.1	4.60	3707,4458,4467	*01*,*23*,23
10842	17.0	−26 20	6.7	6.78	3707,3721,4076, 4077	*06*,*01*,*16*, 25
793	17.1	+69 31	6.9	*7.34*		A . .
678	17.2	+72 11	5.5	5.14	3710,4102,4424	*14*,07,08
722	17.2	+71 34	7.7	7.19	3710,3741,3742, 4487,4487	*17*,*12*,24, *03*,07
1869	17.2	+52 17	5.5	*5.40*		. . A
1495	17.3	+61 43	6.8	7.33	3709,3709,3710	07,*15*,09
2453	17.3	+44 48	6.3	*5.88*		*01*, . 02
2850	17.3	+24 42	7.0	*7.16*		A . .
2218	17.4	+47 17	7.5	8.10	4063,4078	*02*,02
2059	17.5	+46 1	6.5	6.76	4063,4078,4114	*04*,05,*02*
4188	17.5	−14 47	6.3	6.62	4051,4092	01,00
2727	17.6	+31 14	8.9	9.07	4464,4467,4476	04,*01*,*03*
2928	17.7	+12 56	6.4	*6.20*		. 03,*03*
1605	17.8	+60 42	7.4	7.62	3709,4063	*06*,06
2581	17.8	+33 17	5.5	5.50	3687,4090,4419	11,03,*14*
4070	17.9	−16 13	7.5	7.60	3740,4051	*04*,05
1406	18.0	+62 50	7.2	6.64	3709,3710,4114	*07*,10,*03*
1606	18.0	+60 44	7.4	7.44	3709,4063	*03*,03
3349	18.0	+ 0 49	7.5	*7.24*		A . .
4148	18.0	−14 0	7.5	7.60	3740,3752	02,*01*
10849	18.0	−26 57	7.3	7.47	3707,3721	06,*06*
2685	18.1	+25 59	7.3	7.38	3687,4087,4102	*03*,*14*,17
4193	18.1	− 6 15	7.3	7.44	3741,3752	*11*,10
609	18.2	+74 24	6.7	6.64	4114,4115	01,*02*
1742	18.2	+54 17	7.3	7.60	3709,4063	10,*09*
2961	18.2	+19 17	7.1	7.07	3354,3356	*01*,01
9827	18.2	−39 22	5.9	5.44	4067,4458,4458, 4464,4467	*27*,*06*,*25*, 34,22
2575	18.4	+32 22	8.1	8.23	4464,4467,4476	01,08,*10*
3940	18.4	−12 1	6.0	5.91	4051,4431,4455	*12*,05,06
10267	18.4	−35 34	6.9	6.69	4103,4432,4456	*03*,11,*09*
4152	18.5	−13 57	7.7	7.67	3740,3752	*24*,24
1873	18.6	+52 42	7.0	7.48	3709,4063	00,01
2637	18.6	+34 34	7.3	*7.31*		A . .
2425	18.6	+28 24	7.5	7.46	3687,4087	07,*07*
2866	18.6	+14 24	7.9	8.38	3713,4051	04,*04*
2961	18.6	− 0 40	6.5	*6.11*		02,07,*10*
10225	18.6	−37 49	7.0	6.88	4103,4432,4456	16,*10*,*07*
10910	18.7	−25 18	7.3	7.50	3707,3721,4077	00,*07*,08
2577	18.8	+31 54	8.1	8.53	4464,4467,4476	03,*02*,00
4138	18.8	− 9 57	5.0	*5.04*		*03*,19,*15*
11937	18.8	−31 48	7.3	7.40	4077,4103,4455	04,04,*08*
10289	18.8	−38 22	5.1	4.63	3707,4122,4432	*08*,23,*15*
2877	18.9	+39 56	5.5	*5.80*		04, . *03*
2653	19.1	+30 39	5.2	5.13	4464,4467,4476	10,*04*,*07*
4103	19.1	−21 41	7.5	7.71	3707,4076	09,*09*
10279	19.1	−35 50	7.5	7.55	4103,4432,4456	13,*07*,*06*
3010	19.2	+18 12	7.5	7.67	3354,3356	*01*,01
3031	19.2	+ 9 16	7.5	7.58	3352,3354	06,*05*
2578	19.3	+32 10	7.8	7.95	4464,4467,4476	24,*02*,*22*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
1798	19.5	+56	3	7.3	7.96	3709,4063	*07*,08
2800	19.5	+10	54	7.3	7.19	3354,3356	04,*04*
9848	19.5	−39	32	7.5	7.24	4103,4432,4456	09,11,*19*
4104	19.6	−21	34	7.7	7.49	3707,4076,4077	04,*09*,05
10143	19.7	−36	7	7.5	7.59	4103,4432,4456	22,14,*37*
4069	19.8	− 5	53	7.5	7.50	3741,4051	01,*02*
2732	19.9	+31	2	9.0	8.89	4464,4467,4476	*03*,04,*01*
10147	19.9	−36	14	7.0	6.85	4103,4432,4456	01,02,*02*
2801	20.1	+11	20	7.3	7.00	3354,3356,4051	*17*,*15*,32
4061	20.2	−18	10	7.2	7.59	3740,3752	*04*,04
4233	20.3	−21	1	7.0	7.10	3707,4076,4077	*03*,*02*,04
12226	20.3	−30	58	7.0	7.41	4074,4077,4103	*01*,*16*,17
10286	20.4	−35	25	7.5	7.60	4067,4432,4456	*15*,14,00
2652	20.6	+38	32	7.5	7.62	4090,4091	03,*04*
2965	20.6	− 0	54	7.5	7.03	3715,3741,4051,4092	03,*10*,19,*11*
1410	20.7	+62	23	6.0	5.92	3709,3709,4424,4458	*03*,*14*,21,*04*
2284	20.7	+45	37	5.9	6.27	4063,4114,4424	00,*08*,08
2636	20.7	+37	44	4.0	*4.30*		. A .
2637	20.7	+37	41	7.0	6.67	4091,4102,4419,4424,4471,4472	*40*,22,*12*,12,22,*04*
10372	20.8	−27	37	7.5	7.55	3721,3729	04,*04*
679	20.9	+72	11	2.8	3.16	3338,3343,3351,3352,3354,3692,3709,3711,3712,3723,3729,3738,3752,3758,4064,4067,4074,4087,4098,4101,4102,4103,4110,4113,4456,4463,4464,4467,4470,4471,4472,4474,4476,4477,4478	*08*,*13*,*05*,*15*,*31*,07,*35*,*13*,*15*,11,00,27,31,03,*13*,*24*,06,*20*,18,*15*,10,06,11,26,*11*,*08*,21,27,*24*,00,*15*,*11*,*02*,37,39
2912	20.9	+25	9	7.3	*7.96*		A . .
10161	20.9	−36	25	6.0	5.46	3729,4064,4103,4122,4456	05,*16*,23,*16*,03
1192	21.0	+63	42	6.0	5.81	3709,4114,4424	07,*17*,11
4106	21.1	−19	39	6.5	*7.04*		A . .
1500	21.2	+61	20	7.5	8.34	3709,3710	03,*04*
2858	21.2	+15	47	4.8	5.42	3337,3338,3343,3351,4051	03,12,*05*,*07*,*05*
1194	21.3	+63	28	7.0	7.39	3709,3712	*03*,03
2463	21.4	+44	43	7.5	*8.72*		A . .
2966	21.4	+19	50	6.8	6.31	3351,4051,4470	14,*13*,00
510	21.5	+78	45	7.2	7.82	3741,3742	23,*23*
1411	21.5	+61	57	7.5	8.07	3710,3742,4114,4114,4115,4127,4424,4458,4463	R,*17*,11,24,14,*19*,11,*14*,*07*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
10341	21.5	−38	18	8.0	8.56	4458,4464	*25*,25
3019	21.6	+18	31	7.5	7.83	3351,3354,3356	12,*07*,*05*
2853	21.7	+10	23	7.0	7.06	3351,3354,3356	*05*,*03*,09
1745	21.8	+54	34	6.5	6.79	4063,4078	10,*10*
10526	21.8	−33	11	7.3	7.49	4074,4458,4464	00,*07*,06
10169	21.8	−37	0	7.3	7.18	4456,4458,4464	*08*,02,05
10268	21.9	−37	17	7.1	7.48	4456,4458,4467,4476	*18*,*06*,25,*01*
9891	21.9	−39	26	8.1	8.00	4467,4476	26,*25*
2224	22.0	+47	25	6.6	6.90	4063,4078,4114	00,06,*06*
2581	22.0	+32	49	7.3	*7.04*		. A .
4107	22.0	−10	37	7.5	*7.71*		A . .
4208	22.1	−14	37	7.3	*7.37*		. . A
2066	22.2	+46	17	6.8	7.19	4063,4078,4114	00,03,*04*
3979	22.2	− 8	36	7.5	7.73	3741,4051	*06*,06
672	22.3	+73	50	7.2	*7.36*		. A .
1501	22.3	+60	53	7.2	7.45	3709,3712	02,*02*
2432	22.3	+28	28	7.5	7.64	4087,4090	05,*04*
2645	22.4	+34	41	6.0	*5.67*		A . .
2003	22.5	+50	56	7.0	7.70	4063,4078,4114	05,12,*17*
2464	22.5	+44	39	6.8	*7.37*		A . .
2946	22.5	+13	44	7.2	7.67	3354,3356	*11*,11
11981	22.5	−31	7	7.0	7.00	4074,4103,4455	01,11,*11*
4089	22.6	−16	22	6.0	5.87	3740,4051,4431	*07*,08,00
1654	22.7	+59	19	3.0	3.53	3338,3343,3351,3354,3696,3709,3711,3712,3715,3721,3729,3738,3740,3741,3742,4064,4074,4087,4101,4102,4103,4110,4114,4115,4456,4463,4464,4467,4470,4471,4472,4474,4478,4487	*23*,07,07,17, T,*03*,01.09,*11*,*13*,02,05,*10*,11,*05*,08,*08*,*24*,*06*,01,*01*,01,06,27,00,*17*,00,*03*,*05*,10,06,07,00,*08*
3981	22.7	− 9	0	7.0	6.80	3741,4051,4092	*14*,23,*10*
4108	22.8	−11	6	7.5	7.67	3740,3752	*18*,18
10371	22.8	−38	17	6.8	6.54	4103,4456,4458	17,*18*,02
11366	22.9	−28	31	6.8	7.51	3707,3721	12,*12*
2465	23.0	+44	22	7.3	*7.40*		A . .
4118	23.0	−15	21	6.9	6.79	4051,4092	07,*07*
2916	23.3	+25	26	6.0	*6.23*		. . A
2838	23.3	+12	12	7.0	6.96	3354,3356,4051	*03*,*01*,04
2067	23.4	+45	56	7.0	7.17	4063,4078,4114	09,*05*,*04*
3084	23.5	+ 0	56	7.9	7.10	4051,4092	08,*08*
1876	23.6	+52	24	7.0	7.03	4063,4114,4424	*10*,*03*,13
2965	23.6	+ 2	12	6.3	5.32	4051,4470,4471,4472	15,*19*,00,05
10389	23.6	−38	14	7.5	7.40	4103,4456,4458	27,*09*,*17*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2670	23.7	+29 27	4.0	*3.65*		. . A
1747	23.8	+54 21	6.5	*6.18*		03, . *02*
4093	23.9	−17 5	7.0	*7.23*		. A .
2009	24.2	+50 57	6.8	7.71	4063,4078,4114	*08*,24,*17*
2500	24.2	+43 13	7.3	7.46	4063,4078	*11*,11
2953	24.4	+13 23	6.8	7.02	3354,3356	*06*,06
2494	24.5	+27 28	7.3	7.53	4087,4090,4091	05,09,*13*
2178	24.6	+50 40	7.3	7.85	4063,4078,4114	03,08,*10*
2789	24.7	+16 44	6.5	6.55	3354,3356,4051	01,*07*,05
2875	24.8	+39 5	7.0	6.60	4090,4091,4102	18,*11*,*08*
4219	24.8	− 6 31	7.3	7.48	3741,4051	09,*08*
4246	24.8	−20 28	6.7	6.25	4076,4077,4455	*16*,21,*05*
4099	25.0	−16 16	6.5	5.96	3752,4051,4092	10,02,*12*
10564	25.0	−33 28	7.0	6.73	4074,4455,4458	04,*11*, 8
2790	25.2	+16 32	7.1	7.37	3354,3356	*11*,11
2972	25.3	+18 50	7.2	7.17	3354,3356	09,*09*
12346	25.3	−23 19	7.3	7.30	3707,4076	15,*14*
10425	25.5	−38 16	6.6	6.30	4103,4456	13,*14*
2227	25.6	+47 35	5.5	*6.03*		. . A
2873	25.6	+24 11	6.9	7.56	4090,4419	02,*02*
2844	25.6	+12 20	7.5	7.29	3354,3356	14,*14*
10868	25.6	−32 32	6.7	6.45	3713,4074,4113	12,*12*,*01*
2694	25.7	+25 51	7.3	7.88	4087,4090	03,*03*
1414	25.8	+62 37	6.7	6.40	2958,4114,4115, 4122,4424,4458, 4463	*02*,01,05, *03*,06,*03*, *01*
4268	25.8	−12 39	7.5	7.60	3740,3752	*09*,10
1509	25.9	+61 1	6.2	5.86	3709,4114,4424	*17*,*02*,19
2874	25.9	+24 6	7.3	7.47	4091,4102	07,*07*
4128	25.9	−19 49	6.7	*6.10*		*06*, . 06
10319	26.0	−37 44	7.5	7.38	4103,4456,4458	06,*02*,*03*
3055	26.1	+ 8 55	6.7	6.50	4051,4092	19,*20*
10419	26.1	−27 49	7.5	7.82	3707,3721	04,*05*
2300	26.2	+48 5	6.7	6.78	4063,4078,4114	21,*04*,*17*
1756	26.4	+55 33	6.5	*6.30*		*07*, . 07
2892	26.4	+40 16	7.0	*7.60*		A . .
2742	26.4	+31 39	7.0	6.35	4090,4091,4102	05,*10*,05
4135	26.4	−21 37	7.3	7.03	3707,4076,4077	06,*04*,*01*
12359	26.4	−23 32	7.2	7.12	3707,4076	13,*14*
2898	26.5	+40 42	7.5	7.88	4090,4091	14,*15*
1590	26.6	+57 47	6.9	6.92	4063,4078,4114	*09*,26,*17*
2651	26.7	+37 9	6.5	*6.43*		. . A
1415	26.8	+62 5	6.5	6.79	3709,3710,4114, 4115	*28*, R ,04, 23
4135	26.8	−19 20	5.5	*5.40*		*03*, . 03
2074	26.9	+46 44	7.4	7.74	4063,4078	*05*,06
2655	26.9	+34 49	7.2	6.76	4090,4091	00,00
4163	26.9	−10 6	7.0	6.68	4051,4092	08,*07*
10968	27.2	−25 27	7.2	7.52	3707,3721	00,00
2609	27.3	+41 10	4.5	*5.18*		. *01*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3117	27.3	+20 44	7.3	7.82	4090,4091	*04*,03
4110	27.3	−16 31	6.3	*5.62*		. 05,*05*
12155	27.3	−24 9	6.7	6.29	3707,4076,4077, 4098,4113	*04*,*15*,11, *14*,23
10338	27.3	−37 18	7.5	7.94	4103,4456,4458	*33*,*19*,51
9970	27.4	−39 43	6.6	6.09	4103,4456,4458	15,*12*,*03*
2503	27.5	+43 13	7.3	8.20	4063,4078	*03*,02
1416	27.6	+62 27	6.1	*6.49*		. . A
2653	27.6	+36 57	6.5	6.47	4090,4091,4419	01,02,*03*
2797	27.6	+16 24	6.2	6.16	3356,4470,4472	*08*,*06*,13
2823	27.7	+22 55	7.3	7.76	4090,4091	05,*04*
4278	27.7	−12 40	7.2	7.62	3740,4051	*07*,06
12336	27.7	−30 41	7.5	7.79	4074,4113,4455	24,*25*,00
2982	27.8	− 0 51	6.0	*5.67*		. . A
10464	27.8	−39 0	6.8	6.34	4103,4456,4458	14,*03*,*10*
2816	27.9	+11 19	7.2	7.16	3354,3356,4051	*13*,*21*,35
10898	27.9	−32 50	7.0	6.86	3713,4074,4113	15,*10*,*06*
12161	28.0	−24 46	7.5	7.45	3707,4076	02,*02*
2611	28.2	+41 14	4.8	4.93	4078,4424,4458	09,*01*,*08*
3118	28.3	+20 4	7.5	*8.05*		A . .
2799	28.5	+16 22	7.0	6.77	4471,4476	05,*05*
4193	28.5	−13 53	7.3	7.13	3740,4051,4092	*13*,15,*03*
10443	28.5	−27 42	5.7	5.24	3721,4076,4455	33,*13*,*19*
9760	28.5	−40 50	3.2	2.94	4064,4455,4477	08,*06*,*03*
4171	28.7	− 9 43	4.7	*4.86*		*12*,18,*05*
2750	28.9	+31 42	4.2	*4.07*		. . A
4100	29.0	− 5 21	6.5	6.53	4051,4092	21,*21*
4010	29.0	− 8 51	5.5	5.20	3741,4431	15,*14*
11429	29.2	−28 43	7.3	7.58	3707,3721	*07*,07
2880	29.3	+17 29	6.7	6.45	3354,3356,4051	01,*17*,15
4114	29.3	−16 48	7.5	7.04	3740,4051,4092, 4094,4097,4098	*08*,13,*08*, 00,00,00,
10982	29.3	−25 24	7.2	7.16	3707,3721	*07*,08
3037	29.5	+ 5 4	7.5	*7.02*		*01*,02, .
1074	29.6	+64 33	5.8	5.85	3343,3696,3715, 3721,3731,3738, 3740,3741,3742, 3752,3758,4064, 4087,4090,4097, 4102,4103,4110, 4113,4122,4127, 4431,4455,4463, 4467,4470,4474, 4476,4478,4487	*19*,*02*,*22*, 23,*03*,*41*, 03,*04*,*12*, 42,18,*12*, 06,*05*,13, *08*,08,*03*, 06,07,02, 10,*08*,*04*, *03*,*08*,00, 01,*03*,17
4116	29.8	−17 4	8.8	8.80	4094,4097,4098	00,03,*04*
4237	29.9	−14 27	4.0	*4.10*		*04*,03,00
2821	30.0	+10 53	3.3	*3.74*		. . A
10930	30.0	−32 45	6.6	6.18	3713,4074,4098	00,*04*,03
2977	30.1	+ 2 0	7.1	6.59	4051,4431,4470	00,*01*,01
11434	30.1	−28 40	7.0	7.02	3707,3721	09,*09*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° '				
4148	30.3	−21 25	7.5	7.74	3707,4076	*02*,02
2512	30.5	+27 3	2.0	*2.25*		. . A
3101	30.8	+ 1 34	7.1	6.71	3352,3354,4051	*01*,*02*,04
4120	30.9	−16 41	8.0	7.70	4094,4097,4098	02,*12*,11
10464	30.9	−27 48	3.9	3.93	3721,3729,4455	01,06,*08*
3044	31.0	+18 0	6.0	*6.03*		. . A
10304	31.0	−36 42	7.5	7.92	4102,4103,4456	16,12,*28*
10518	31.0	−38 45	7.3	7.45	4102,4103,4456	*09*,04,05
2969	31.1	+13 16	7.5	7.67	3354,3356	09,*09*
2826	31.1	+11 35	6.3	6.11	3354,3356,4051	*08*,*06*,14
3069	31.1	+ 6 30	7.5	*7.34*		. A .
10958	31.1	−26 10	7.3	7.24	3707,3729,4076, 4077,4098	01,08,*23*, 13,03
12108	31.1	−31 44	7.4	7.87	3713,4074,4098	05,*02*,*03*
12112	31.2	−31 11	7.5	8.22	3713,4074,4098	07,00,*08*
10521	31.2	−38 56	7.3	7.94	4458,4463	02,*03*
B	31.3	−42 14	. .	4.04	3711,4431,4455, 4477	B, A, B, B
2485	31.4	+44 25	7.5	*7.22*		A . .
2988	31.4	− 0 14	6.8	6.40	4051,4092	07,*08*
680	31.5	+73 16	7.5	7.99	3709,3712	*10*,10
2889	31.5	+39 21	5.0	*5.43*		. . A
4122	31.5	−16 55	9.0	9.16	4094,4097,4098	*09*,*04*,14
11000	31.5	−25 57	6.6	6.03	3707,3729,4076	10,19,*28*
4117	31.6	− 5 42	7.0	7.21	4051,4092,4115	06,*05*,*01*
12395	31.6	−30 55	7.2	7.47	3713,4074,4098	06,*02*,*03*
2510	31.7	+43 30	6.7	*6.83*		. . A
2884	31.7	+10 21	6.2	*5.43*		00, . 00
4152	31.7	−21 47	7.0	6.95	3707,4076,4077	12,*24*,11
2890	31.8	+15 26	6.7	6.64	3337,3338,3348, 3356,4051,4051	01,*10*,03, 04,*08*,11
2807	31.9	+16 27	6.0	6.00	4051,4431,4470	19,*15*,*03*
10532	31.9	−38 50	6.7	6.46	3713,4098,4102	07,*02*,*05*
3989	32.0	−22 49	6.0	5.96	3707,4076,4458	17,*08*,*09*
2891	32.1	+15 15	7.0	*6.86*		A . .
10536	32.1	−38 48	6.1	6.04	3711,3713,4064, 4098,4102,4103, 4113,4455,4456	23,17,*14*, 16,*11*,14, *23*,*08*,*12*
2194	32.2	+50 20	6.7	7.11	4078,4424	01,*01*
2195	32.2	+50 1	7.0	*7.52*		A . .
2678	32.2	+38 42	6.5	6.50	4090,4091,4102	05,*07*,03
10478	32.2	−27 53	6.5	6.33	3707,3729,4076	11,08,*20*
2623	32.4	+36 3	7.5	7.58	4090,4091	13,*12*
4247	32.4	−14 12	7.5	B		
4285	32.4	−20 41	5.8	5.91	4077,4458,4463	14,*11*,*02*
2905	32.5	+40 8	6.8	6.69	4090,4091	*15*,15
3806	32.5	− 3 16	7.1	8.00	3715,4051	*22*,23
1756	32.6	+54 16	6.0	*6.00*		. . A
4165	32.6	−19 35	7.0	6.78	3740,3758	*07*,08
11837	32.6	−29 27	3.8	*3.74*		. *07*,06
2863	32.7	+12 38	7.0	7.02	3354,3356,4051	*09*,03,05
2682	32.8	+30 19	6.5	*6.57*		14,*03*,*10*
2833	32.8	+11 28	7.5	7.59	3354,3356	04,*04*
518	32.9	+78 40	8.3	8.36	3713,3713,3742, 3742	02,12,*10*, *06*
4250	32.9	−14 11	7.0	6.90	3740,4051,4092	*11*,17,*07*
4388	32.9	−17 20	7.2	7.28	3740,4051	*15*,14
3993	32.9	−22 43	7.7	7.24	3707,3729	09,*09*
4118	33.1	−18 58	6.0	5.34	3740,4431,4455	00,*01*,01
2886	33.2	+10 35	7.3	7.04	3354,3356	09,*09*
4031	33.2	− 8 28	7.0	*5.90*		. 05,*05*
1886	33.3	+52 24	6.0	*6.64*		. *04*,03
4129	33.3	−16 45	9.0	9.46	4094,4097,4098	*21*,*30*,50
1766	33.4	+54 57	6.0	*5.72*		09,01,*09*
3996	33.5	−22 49	7.0	6.21	3707,3729,4077	*03*,*13*,17
10631	33.5	−34 5	5.1	4.82	3707,4064,4074, 4113,4455	16,00,20, *21*,*13*
10423	33.5	−35 51	7.5	7.92	4102,4103,4456	17,*13*,*05*
842	33.9	+68 9	6.8	*6.90*		. . A
1062	34.0	+65 36	6.8	*7.50*		A . .
2901	34.0	+24 51	7.4	7.17	3337,3338,3343	08,03,*07*
2870	34.0	+12 36	7.2	7.14	3354,3356	*01*,01
2834	34.0	+10 57	7.4	7.09	3354,3356	04,*04*
12431	34.0	−30 53	6.9	6.57	3713,4074,4098	*03*,*07*,10
2838	34.1	+22 59	7.4	7.62	4090,4091	01,00
4177	34.1	−19 27	7.6	6.90	3740,3758,4051	08,*08*,*01*
2907	34.2	+40 41	5.0	*5.40*		. 10,*10*
12458	34.3	−23 30	5.7	*4.99*		. *08*,08
B	34.3	−44 20	. .	4.74	3712,3741	23,*23*
592	34.4	+77 41	5.0	*5.35*		. . A
10436	34.4	−35 6	7.1	7.59	4098,4102,4103,	*14*,*02*,15
10091	34.4	−39 39	6.8	6.71	4102,4103,4432	10,*05*,*04*
2626	34.5	+36 34	7.5	6.96	4090,4091,4419	*03*,*08*,11
4395	34.6	−17 12	9.2	9.62	4094,4097,4098	*07*,17,*10*
2711	34.9	+35 0	6.7	6.31	4090,4091,4114	05,*03*,*01*
1758	35.0	+54 51	6.0	*5.97*		*06*, . 06
2204	35.0	+50 25	7.3	7.78	4063,4078	05,*04*
2493	35.0	+43 56	6.8	6.78	4063,4078	*03*,04
480	35.1	+80 47	7.0	*6.47*		A . .
2253	35.1	+47 8	5.5	5.80	4101,4424,4458	00,08,*07*
2814	35.1	+16 39	6.5	6.92	3354,3356,4051	04,06,*11*
4138	35.2	−16 59	9.2	9.45	4094,4097,4098	04,03,*06*
2875	35.4	+12 23	6.5	6.31	3354,3356,4051	*08*,04,03
11499	35.4	−28 59	7.4	7.57	3707,3721	*01*,01
2665	35.6	+36 58	4.3	4.79	4090,4419,4472	12,09,*20*
2206	35.7	+50 45	6.0	6.02	4063,4114,4424	*01*,13,*13*
4226	35.7	−13 39	7.2	6.83	3740,3758,4051	*03*,*02*,06
2255	35.8	+47 15	6.7	6.92	4063,4078,4101	01,03,*04*
3000	35.9	+19 0	7.5	7.62	3354,3356	*06*,06
517	36.0	+81 6	6.8	*6.97*		A . .

15^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
12472	36.1	−23 59	7.4	7.42	3707,3721	12,*12*
10441	36.1	−37 6	5.8	5.40	4064,4102,4431,4432,4455	*09*,04,05,13,*13*
1820	36.2	+56 13	7.5	7.22	4063,4078	05,*06*
4188	36.2	−19 21	5.3	*5.02*		*33*,37,*05*
10494	36.3	−34 23	5.1	4.82	3738,4064,4431,4432,4455	03,00,19,16,*36*
2816	36.4	+16 21	6.0	6.01	4051,4431,4470	01,11,*11*
4143	36.4	− 6 7	7.0	7.42	3741,3758,4051	*13*,*21*,34
12192	36.4	−31 52	7.3	7.37	3713,4074,4098	11,*03*,*09*
4144	36.5	−17 3	9.0	9.23	4094,4097,4098	*10*,08,02
1600	36.6	+57 47	7.0	7.60	4063,4078,4101	*08*,*02*,10
563	36.7	+76 46	7.5	7.52	3709,3712	*14*,15
2687	36.7	+37 51	6.6	7.06	4090,4091,4114	00,*07*,06
2692	36.7	+30 15	7.5	*7.61*		▲ . .
2666	36.8	+37 21	7.0	6.97	4090,4091,4114	03,*10*,07
1583	36.9	+58 14	6.3	6.46	4063,4078,4101	04,02,*05*
3389	36.9	+ 0 46	7.5	7.39		▲ . .
2318	37.0	+45 9	7.3	*7.47*		▲ . .
2501	37.0	+44 11	6.8	*7.12*		▲ . .
3138	37.1	+20 0	4.5	*4.47*		03,01,*03*
2982	37.1	+13 10	5.5	*5.32*		. 03,*02*
4165	37.1	−15 42	7.3	7.04	3740,3758	*03*,02
10664	37.1	−33 5	7.4	7.57	3713,4074,4098,4102	*05*,10,*09*,04
11047	37.2	−25 6	7.3	7.12	3707,3721	*14*,13
12484	37.2	−30 13	7.5	7.23	3713,4074,4098	03,*10*,06
10116	37.2	−39 9	7.5	7.61	4102,4103,4432	*02*,*03*,06
2317	37.3	+48 23	7.5	7.70	4063,4078	*08*,07
806	37.4	+69 36	6.0	5.81	3351,4115,4424	14,*02*,*11*
2688	37.4	+38 33	7.5	8.14	4090,4091	05,*04*
3059	37.4	+18 47	6.0	5.74	3356,4431,4470	04,*11*,08
3066	37.4	+ 8 8	7.5	7.27	3352,3354,3356	07,*04*,*02*
915	37.5	+66 6	6.8	7.06	3351,3709	09,*09*
4320	37.6	−12 44	6.7	6.76	3740,3758,4051	01,*11*,10
2901	37.7	+38 53	7.0	7.80	3337,3338,3343	00,00,00
4149	37.8	−10 37	7.0	*7.26*		05,*05*, .
4266	37.8	−14 43	6.7	6.52	4051,4092	08,*07*
3060	37.9	+18 32	7.3	7.87	3354,3356	09,*09*
12489	37.9	−30 24	7.2	7.53	3713,4074,4098	*11*,21,*09*
12215	37.9	−31 17	7.0	6.92	3713,4098,4102	*22*,*07*,30
741	38.0	+71 28	7.2	7.12	3351,3709	03,*04*
3010	38.0	+ 7 12	7.5	7.17	3352,3354,3356	17,*24*,08
463	38.1	+82 36	7.5	*6.92*		▲ . .
4151	38.2	−16 33	7.0	7.40	3740,3758	*04*,04
4060	38.3	− 9 0	7.5	7.46	3741,4051	04,*03*
4171	38.4	−15 21	5.8	*5.52*		*02*,13,*12*
12487	38.4	−24 5	7.6	7.72	3707,3729	07,*06*
2629	38.5	+42 22	7.5	8.15	4063,4078	*01*,01
2722	38.5	+26 37	4.0	*3.68*		. . ▲

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2922	38.5	+13 59	6.8	6.50	4051,4092	02,*01*
12498	38.5	−30 22	7.2	7.30	3713,4074,4098	10,*03*,*07*
1069	38.6	+64 58	7.3	*7.30*		▲ . .
2883	38.6	+12 1	7.0	7.14	3354,3356	*01*,01
2619	38.7	+32 2	7.3	7.03	4090,4091	01,*01*
10514	38.7	−34 47	7.5	7.70	3713,4074,4098	*01*,05,*04*
2989	39.1	+ 2 50	6.1	5.87	3352,4431,4470	03,10,*13*
4413	39.2	−17 23	9.2	9.62	4094,4097,4098	*05*,*02*,07
2771	39.3	+31 42	7.2	*7.30*		. ▲ .
2852	39.3	+23 16	6.5	7.20	4090,4091,4114	21,*14*,*07*
3088	39.3	+ 6 44	2.2	*2.79*		. . ▲
2100	39.5	+46 4	6.8	6.90	4063,4078,4101	*16*,14,02
3080	39.5	+ 3 41	7.0	7.20	3352,3354	00,*01*
11930	39.6	−29 44	7.3	7.04	3707,3721	12,*12*
2914	39.8	+24 46	7.3	*7.21*		▲ . .
2853	39.8	+11 36	7.5	7.44	3354,3356	*01*,01
4020	39.8	−22 26	6.7	6.92	3707,3729,4076,4098,4098	*05*,*06*,*07*,08,10
11070	39.8	−25 11	7.4	8.10	3707,3721	*07*,08
12275	39.9	−24 24	7.4	7.53	3707,3729,4076	05,*01*,*05*
2822	40.0	+16 50	7.5	7.42	3354,3356	04,*04*
10494	40.0	−35 34	7.5	8.08	4067,4074,4098	*06*,*07*,12
2621	40.1	+32 50	6.2	5.59	4091	▲
4155	40.1	−16 38	7.3	7.53	3740,3758	*01*,01
10550	40.1	−27 45	6.7	6.45	3707,3721,4076	07,20,*28*
1898	40.2	+52 40	5.0	*5.42*		. 08,*09*
2906	40.2	+17 34	6.2	6.06	3354,4431,4470	10,*15*,04
2907	40.2	+17 3	6.8	7.07	3354,3356	*11*,11
4158	40.2	− 5 50	7.2	7.36	3741,4051	*17*,16
3072	40.4	+ 5 45	6.7	*5.56*		10, . *09*
10524	40.4	−34 22	5.8	5.50	3707,3713,3738,4074,4098,4431,4455	*03*,20,03,00,*15*,22,*26*
2812	40.6	+21 11	7.0	7.60	4091,4114,4115	10,*08*,*03*
2813	40.6	+21 45	7.0	7.44	4091,4114,4115	*07*,00,07
3125	40.6	+ 1 10	6.7	6.46	3352,3356,4051	04,07,*12*
10503	40.6	−35 12	7.0	6.66	4067,4097,4098	*06*,16,*09*
2963	40.7	+25 1	7.5	*7.41*		▲ . .
10504	40.7	−35 13	7.5	6.89	4067,4097,4102	04,*07*,03
10157	40.8	−39 53	6.8	6.50	4067,4102,4103	*29*,21,09
3092	40.9	− 1 30	5.5	5.21	3715,4455,4463	*08*,01,06
10500	41.0	−37 36	6.5	6.14	4067,4102,4103,4432	*23*,09,08,06
4157	41.1	−16 48	7.5	7.77	3740,3758	*02*,02
10502	41.3	−37 57	7.3	7.99	4067,4102,4103	*15*,15,01
1805	41.4	+53 13	7.5	7.70	3709,4063	10,*11*
10505	41.4	−37 22	7.1	7.30	4067,4102,4103	*03*,01,01
4161	41.5	− 5 49	6.3	6.47	3741,4051,4455	09,03,*12*
2911	41.6	+15 44	3.3	*3.65*		. . ▲
3023	41.6	+ 7 40	5.0	*4.49*		. . ▲

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
11117	41.6	−32 50	7.5	7.50	3713,4074,4097,4102	06,07,*14*,01
1806	41.8	+53 17	7.0	7.27	3709,4063	08,*08*
2913	41.8	+15 50	7.1	*6.78*		. A .
11098	41.9	−25 41	7.3	6.87	3707,3721,4076	00,11,*10*
2919	42.0	+40 28	7.2	7.52	4091,4114	13,*12*
2904	42.0	+10 6	7.4	*6.97*		A . .
12296	42.1	−24 55	7.1	7.07	3707,3729	01,*01*
3401	42.2	+ 0 1	7.5	*7.23*		A . .
2864	42.3	+11 50	7.5	7.54	3354,3356	*01*,01
4233	42.3	− 9 11	7.0	6.89	3741,3758,4051	*05*,03,02
3131	42.4	+ 1 51	7.0	6.66	3352,3354,4051	04,03,*08*
263	42.5	+85 10	7.2	*6.98*		A . .
12525	42.5	−23 32	6.9	6.66	3707,3729,4076	*01*,*02*,02
1591	42.6	+58 44	7.1	7.32	3709,4063	00,01
2939	42.7	+14 25	6.0	*5.74*		00,06,*07*
2635	42.8	+42 46	7.3	7.42	4063,4078	07,*08*
4252	42.9	−13 12	7.0	7.02	3740,3758	*07*,06
523	43.0	+80 56	7.3	*6.97*		A . .
2329	43.0	+45 19	7.3	*7.92*		A . .
2779	43.1	+30 52	7.3	7.64	4090,4091	14,*13*
11150	43.4	−32 30	7.3	7.36	3713,4074,4097,4098	02,00,00,00
1607	43.5	+57 34	7.5	7.88	3709,4063	*03*,03
2475	43.6	+28 46	7.4	*7.46*		. 17,*16*
2940	43.6	+14 6	7.0	*6.10*		. 09,*10*
1903	43.7	+52 28	7.5	*8.10*		. A .
3011	43.7	− 0 42	7.5	7.01	3741,3758	*02*,02
3829	43.7	− 3 31	6.0	*5.53*		. . A
1675	43.8	+59 38	7.0	*7.56*		A . .
2267	43.8	+47 18	6.8	7.17	4063,4078,4101	06,*10*,05
4332	43.8	−20 29	7.5	*7.42*		A . .
2334	44.1	+44 54	6.9	*7.42*		A . .
2631	44.1	+32 2	7.1	6.61	4090,4091,4472	05,*08*,03
3012	44.1	+13 1	7.0	6.80	3354,3356,4051	*14*,08,06
4431	44.1	−17 36	6.5	6.69	3740,3758,4051	*08*,09,*01*
4197	44.1	−21 11	7.0	7.74	3707,3729	02,*03*
1777	44.2	+55 47	6.5	*5.90*		*14*, . 13
2883	44.2	+22 43	6.5	7.04	4091,4114,4115	*02*,*02*,05
3074	44.2	+18 27	4.0	*4.30*		. 02,*03*
812	44.4	+68 59	7.0	7.21	3351,3709	04,*04*
4052	44.4	− 3 7	3.8	*3.62*		. . A
2110	44.5	+46 3	6.5	6.84	4063,4078,4101	08,*05*,*04*
2862	44.5	+23 34	7.0	7.72	4091,4114	06,*05*
11125	44.6	−25 59	7.3	6.67	3707,3721,4076	03,11,*14*
10754	44.6	−33 19	4.2	4.06	3738,4074,4076,4097,4424,4431	55,*02*,*20*,*07*,06,*29*
3833	44.7	− 3 37	7.2	6.94	3715,3741,4051	*02*,*02*,05
2904	44.8	+12 52	7.0	6.75	3354,3356,4051	*09*,03,07
4034	44.8	−22 58	7.3	7.40	3707,3729,4076	07,02,*10*
3004	44.9	+ 2 49	7.5	7.04	3352,3354	*04*,05
11131	45.0	−25 27	5.3	4.66	3707,3721,4432	*15*,*13*,27
10546	45.0	−37 8	7.3	7.32	4067,4102,4103	*32*,25,07
487	45.1	+80 18	6.7	*6.93*		A . .
1225	45.1	+62 55	5.8	5.14	3351,3742,4090	01,*29*,27
1779	45.2	+55 41	6.0	*5.66*		*20*, . 21
3007	45.2	+ 2 30	5.8	5.46	3352,3354,4431	*06*,23,*17*
4036	45.2	−22 19	7.4	7.60	3707,3729	01,00
2926	45.3	+24 0	7.3	7.74	4091,4114	12,*11*
11182	45.3	−32 23	7.3	7.13	3713,4097,4098	04,*02*,*01*
2737	45.4	+26 28	4.5	4.84	4091,4472,4474	11,*11*,01
1635	45.5	+59 54	6.0	*6.73*		03, . *03*
4343	45.7	−20 16	7.3	*7.28*		A . .
3069	45.8	+ 4 47	3.5	*3.80*		00, . *01*
4182	45.9	−18 38	7.2	7.36	3740,3758,3758,4467	00,*11*,*06*,15
10768	45.9	−33 49	7.5	7.58	3713,4074,4097	01,*06*,05
11073	46.0	−26 14	7.5	7.05	3707,3721	07,*07*
12030	46.0	−29 35	6.8	6.43	3707,3721,4076	05,08,*14*
4058	46.1	− 2 48	5.6	4.98	3753,4455,4463	*07*,12,*04*
4269	46.1	−13 50	6.5	6.25	3740,3758,4051	*19*,04,14
4207	46.3	−21 22	7.3	8.08	3707,3729	*05*,06
10565	46.3	−37 6	7.5	7.63	4067,4102,4103	*11*,*03*,13
4118	46.4	− 7 44	7.3	7.66	3741,3758	14,*14*
4358	46.4	−12 13	7.3	7.49	3740,4051	*01*,01
2511	46.6	+44 49	7.5	*7.57*		A . .
4442	46.6	−18 8	7.2	7.36	3740,4051	*11*,12
813	46.9	+69 47	7.1	*7.44*		A . .
1838	46.9	+56 33	7.1	7.34	3709,4063	*03*,03
2829	46.9	+21 17	5.0	*4.97*		. . A
846	47.0	+70 41	7.5	7.70	3351,3709	*05*,04
12626	47.0	−30 29	7.5	7.15	3713,4074,4097	09,*06*,*02*
2708	47.2	+37 53	7.5	7.72	4090,4091	07,*07*
1637	47.5	+60 50	7.4	7.81	4063,4424	*09*,09
2652	47.5	+35 59	5.0	*4.80*		. . A
4249	47.5	−19 52	5.4	4.93	3753,4455,4456,4456,4456,4456	13,*11*,05,*06*,*06*,05
527	47.6	+78 6	4.7	4.36	3742,4115,4424	*20*,23,*02*
2645	47.6	+42 52	7.3	7.22	4063,4424	*09*,09
12352	47.6	−25 2	5.5	*4.60*		. 04,*05*
2334	47.8	+48 47	7.5	7.74	3343,3352,3354,4063,4063,4487,4487	06,26,16,*19*,*23*,01,*04*
12354	47.9	−24 15	5.8	*5.36*		. 02,*01*
2932	48.0	+40 3	7.5	*8.14*		*12*,13, .
2718	48.0	+30 11	7.3	*7.36*		A . .
12569	48.0	−23 41	5.8	*5.34*		. 04,*03*
4064	48.1	− 2 43	7.5	7.36	3715,3741	00,00
4174	48.1	−16 27	4.8	*4.36*		. . A
4191	48.2	−18 39	7.5	7.75	3740,4051,4092,	29,10,*06*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4115,4455,4463, 4467	*35*,08,*24*, 15
2926	48.4	+17 43	6.5	6.44	3354,3356,4051	*08*,14,*07*
2925	48.4	+15 44	7.5	*7.62*		. A .
11096	48.4	−27 3	6.9	6.01	3707,3721,4076	*08*,*10*,19
3024	48.5	+13 31	6.3	5.58	3356	A
1816	48.6	+53 13	6.5	6.53	4063,4078,4101	01,11,*11*
12365	48.7	−24 57	6.7	*5.90*		. 07,*08*
4195	48.8	−10 47	6.8	*7.10*		A . .
4046	48.8	−22 29	6.8	6.73	3707,3729,4076	12,08,*21*
1081	49.1	+65 6	6.8	*7.15*		A . .
2840	49.1	+16 23	7.2	*6.14*		. 02,*03*
2648	49.2	+42 44	4.3	4.70	4063,4114,4115	02,13,*15*
4195	49.2	−19 6	6.3	5.78	3738,4455,4463	*05*,05,*01*
1615	49.3	+57 27	7.3	7.58	4063,4078,4424	05,*11*,05
12663	49.3	−30 48	6.7	6.37	3713,4074,4097	*09*,13,*04*
10590	49.4	−35 23	7.0	7.85	3713,4067,4102	16,*15*,*01*
3108	49.5	+ 5 36	7.5	7.08	3352,3354	06,*05*
11190	49.5	−25 59	6.3	5.66	3707,4076,4432	*15*,*05*,20
10237	49.5	−39 35	6.5	6.03	4067,4094,4102, 4103	*07*,*09*,07, 10
2642	49.6	+41 36	7.5	7.90	4063,4078	12,*12*
11106	49.6	−26 27	7.6	7.28	3707,3721	21,*21*
3111	49.7	+ 5 31	8.3	7.68	3352,3354	06,*05*
3116	49.8	+ 8 52	7.0	*6.20*		. 05,*05*
1838	50.0	+56 7	6.4	*5.92*		. 04,*05*
2124	50.0	+46 20	6.8	7.32	4063,4078,4101	*10*,18,*09*
2643	50.0	+41 2	7.5	8.32	4063,4078	*02*,02
12407	50.0	−31 29	6.7	6.54	4074,4077;4097	*20*,18,02
3166	50.2	+20 36	6.2	*5.62*		03, . *04*
4106	50.3	− 8 21	7.0	7.19	3741,3753	*02*,02
10826	50.5	−33 40	5.2	4.54	3707,3712,3729, 3738,4077,4097, 4102,4424	*16*,02,05, 02,29,*03*, *15*,*04*
2898	50.6	+22 27	7.3	8.06	4091,4114	*10*,10
3120	50.6	+ 9 32	7.9	6.98	4051,4092	02,*02*
4290	50.6	−14 6	6.8	6.39	3738,3740,4051	*01*,*06*,06
10607	50.6	−35 38	6.9	6.96	3712,3713,4067	05,*03*,*02*
3118	50.7	− 1 52	7.0	6.72	3715,3741,4051	*10*,02,07
11714	50.7	−28 55	4.5	*4.04*		. 03,*04*
10611	50.8	−35 53	6.4	6.00	3712,3713,4067	06,*13*,08
4314	50.9	−14 32	6.7	*6.17*		*01*, . 01
2709	51.1	+34 40	7.3	*6.95*		A . .
10667	51.1	−27 21	7.4	7.17	3707,3721	00,00
3036	51.2	+18 55	6.2	6.11	4092,4431,4470	*07*,03,05
2542	51.3	+43 26	5.5	*5.60*		. . A
531	51.4	+81 14	7.4	*7.00*		A . .
2739	51.4	+29 49	7.2	*7.66*		A . .
4221	51.4	−15 44	6.8	6.86	4051,4092,4092	10,*02*,*08*
4233	51.4	−21 11	7.0	6.96	3707,3729,4076	07,*10*,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4211	51.7	−10 36	7.5	*7.71*		A . .
12426	51.7	−31 26	7.0	6.93	3713,4074,4077	*15*,00,14
2849	51.8	+15 59	3.8	3.67	4092,4431,4470	*41*,32,10
4199	51.8	− 6 1	7.0	7.01	3715,3741,4051	*08*,*04*,12
4364	51.9	−20 41	6.5	*5.87*		15, . *15*
12597	51.9	−23 14	7.4	6.68	3729,4076,4077	07,*22*,16
10620	51.9	−37 12	6.9	6.32	3712,4067,4094	02,04,*05*
2712	52.1	+38 14	5.7	5.50	4090,4472,4474	11,*15*,03
2918	52.1	+12 47	7.3	6.94	3354,3356,4051	*01*,01,00
2652	52.2	+42 51	6.0	*5.50*		. . A
3104	52.2	+ 3 41	7.3	7.01	3354,3356	08,*08*
1087	52.5	+65 34	6.5	6.84	4090,4115	03,*02*
2969	52.6	+14 42	6.0	*5.74*		00,*03*,03
4302	52.6	−13 59	5.0	4.57	3738,3740,4455	*07*,24,*16*
4368	52.6	−20 36	7.5	7.21	4076,4432	02,*02*
12427	52.6	−24 32	6.1	*5.38*		. 07,*08*
10783	52.6	−38 27	7.3	7.13	3712,4067,4432	08,*02*,*07*
10478	52.7	−41 27	5.5	5.06	4424,4424,4431, 4476,4477,4487, 4487	*03*,*20*,*01*, 00,36,*04*, *08*
11228	52.8	−25 50	3.4	*2.96*		. *01*,02
4305	52.9	−13 9	7.2	7.22	3738,3740	*17*,16
11309	53.0	−32 43	7.0	7.02	3713,4074,4077	*03*,*13*,16
10113	53.2	−40 22	7.2	6.73	4487	A
10640	53.3	−35 33	7.3	7.56	3712,4094,4102	10,*17*,07
825	53.4	+69 0	6.8	6.80	4090,4115	02,*03*
2558	53.4	+27 10	4.0	*4.27*		. *01*,01
11140	53.4	−26 43	7.5	7.07	3707,3721	11,*11*
12159	53.4	−29 47	7.3	7.09	3707,3721	04,*04*
12160	53.4	−29 20	7.5	7.22	3707,3721	*04*,03
10797	53.4	−38 6	3.7	3.37	3712,3721,3738, 3742,4067,4424	16,08,00, 29,*25*,*28*
3117	53.5	+ 5 2	7.3	*7.06*		A . .
12723	53.6	−30 52	6.9	6.69	3713,4074,4097	11,04,*14*
12442	53.6	−31 33	7.7	7.45	3713,4074,4432	*14*,*21*,34
10848	53.6	−33 6	7.0	6.89	3713,4074,4077	*19*,*07*,27
453	53.8	+83 15	7.3	*7.32*		A . .
10800	53.8	−38 42	7.5	7.18	3712,4067,4094, 4102	17,02,*18*, *02*
1691	53.9	+59 12	6.6	*6.22*		*01*, . 01
2948	54.0	+39 58	6.2	*6.44*		03, . *04*
3151	54.0	+ 0 52	7.5	*7.49*		A . .
10803	54.1	−38 48	7.1	6.71	3712,4067,4094, 4432,4458,4463	44,*26*,*11*, 32,*26*,*12*
4330	54.3	− 7 1	6.3	6.64	3715,3741,4051	*13*,05,08
4068	54.4	−22 20	2	2.71	4077,4103,4432	15,15,*31*
10653	54.4	−35 42	7.5	8.12	3712,4067,4094, 4102	08,*39*,01, 31
4210	54.5	− 5 51	7.0	7.42	3715,3741	*05*,06
2715	54.7	+38 6	6.8	7.25	4090,4091,4114	07,05,*11*

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
4196	54.7	−16 14	6.2	5.43	3758,4092,4455	*05*,01,05
2730	54.8	+30 17	7.5	*7.61*		A . .
2748	55.0	+29 44	7.0	*7.21*		A . .
3154	55.0	+ 0 54	7.4	*7.54*		A . .
12470	55.0	−31 36	7.0	6.54	3713,4074,4097,4697	06,*25*,*01*,21
2695	55.2	+36 55	5.8	*5.65*		. . A
4380	55.2	−20 53	7.5	7.19	3707,4432,4458	06,00,*05*
12631	55.2	−23 59	7.5	7.37	3707,3729	01,*01*
4162	55.3	− 8 7	5.4	*5.43*		. . A
10688	55.3	−34 20	7.5	7.66	3713,4074,4097	*11*,*04*,14
1793	55.4	+55 2	5.1	*4.94*		02,02,*04*
2696	55.4	+37 13	7.5	7.72	4091,4115	*02*,02
10595	55.5	−36 27	7.1	7.00	3712,4094,4102	03,*07*,03
2876	55.7	+23 18	7.3	7.65	4091,4114	05,*05*
2908	55.7	+21 55	7.5	7.66	4091,4114	02,*01*
2954	55.8	+24 34	7.5	*8.21*		A . .
3096	55.9	+ 4 42	6.1	5.92	3356,4431,4470	11,*01*,*10*
4255	56.0	−21 42	7.3	7.20	3707,3729	*06*,06
2239	56.2	+50 10	6.0	*5.93*		. . A
3047	56.3	+13 34	7.0	7.02	3354,3356	04,*04*
3859	56.4	− 3 29	7.0	6.80	3715,3741,4455	*07*,13,*07*
11817	56.4	−28 51	6.7	6.16	3707,3721,4076	16,*04*,*11*
703	56.6	+72 42	7.0	7.46	3351,3712	*05*,04
12770	56.6	−30 39	7.6	7.79	3713,4074,4097	02,*14*,11
3101	56.7	+18 6	5.0	*5.24*		. . A
2805	56.8	+31 51	6.8	6.68	4091,4115,4472	07,07,*14*
10832	56.8	−38 19	5.6	4.77	3721,3738,3742,4067,4094	*15*,05,03,04,04
2660	56.9	+32 19	7.2	7.31	4091,4115	*13*,13
12481	56.9	−24 44	7.5	6.93	3707,3729,4076	01,05,*05*
2530	57.0	+44 33	6.5	6.86	4063,4078	*01*,02
3048	57.0	− 0 33	7.2	*7.33*		A . .
2663	57.2	+33 37	5.7	5.50	4091,4472,4474	*08*,*05*,12
3049	57.2	+13 45	7.5	7.42	3354,3356	04,*04*
11171	57.2	−26 26	7.3	6.88	3707,3721,4432	08,*13*,06
4295	57.3	−19 33	7.5	7.13	3738,3740	*06*,06
11295	57.3	−25 36	5.7	4.92	4076,4432,4458	12,19,*31*
12505	57.3	−31 43	6.6	6.03	3713,3713,4074,4102	09,04,02,*14*
269	57.4	+85 36	7.5	*7.05*		A . .
579	57.4	+75 52	6.5	7.02	3737,3742,4090,4115	04,*14*,03,05
2942	57.4	+39 26	6.7	6.62	4091,4091,4115	31,*05*,*25*
2738	57.4	+30 7	5.0	*4.73*		. . A
11377	57.5	−32 47	7.1	7.06	3713,4074,4097	*10*,06,17
4174	57.6	− 7 46	7.5	7.07	3715,3741,4051	*15*,*04*,20
10701	57.6	−35 10	7.2	7.28	3712,4067,4094,4464	07,*12*,*19*,23
4221	57.7	− 5 33	7.0	7.10	4051,4092	17,*16*
2886	57.9	+23 4	4.6	*4.66*		. . A
12499	57.9	−24 27	6.8	6.42	3707,3729,4076	*05*,23,*19*
11386	57.9	−32 56	6.6	6.09	3713,4074,4097	02,*16*,14
1787	58.0	+54 13	7.0	7.65	4063,4078,4101	*17*,18,00
10680	58.0	−37 35	6.4	5.89	3712,4067,4094	*15*,02,14
10681	58.0	−37 32	7.1	6.93	3712,4094,4102	*10*,04,05
3104	58.1	+18 23	7.3	7.42	3354,3356	04,*04*
10298	58.1	−39 9	7.0	6.97	3712,4094,4102	*04*,09,*04*
11841	58.3	−28 39	7.5	7.70	3721,3729	11,*11*
2914	58.4	+22 30	6.8	6.94	4091,4114,4472	12,*05*,*07*
10852	58.4	−38 56	7.8	7.94	3712,4094,4102	21,*20*,*02*
2288	58.5	+47 25	7.0	7.40	4063,4078,4101	*07*,15,*07*
2962	58.6	+40 17	6.8	*7.07*		A . .
3131	58.8	+ 5 16	6.5	*6.18*		. *04*,05
4291	58.8	− 9 39	7.0	*7.41*		A . .
762	58.9	+71 12	7.0	7.42	3351,3712	03,*04*
2903	58.9	+11 42	7.3	7.29	3354,3356	04,*04*
4237	58.9	−11 6	4.4	*4.18*		*01*, . 02
4056	58.9	−11 35	7.3	7.64	3738,3740	*04*,03
10712	59.0	−35 53	7.3	7.75	3712,4094,4102	18,*12*,*07*
12535	59.1	−31 11	6.8	6.96	3713,3729,4074,4432,4458,4463	*08*,*09*,07,16, R ,*06*
10302	59.1	−39 34	7.5	7.84	3712,4094,4102	*12*,*19*,30
4228	59.2	−18 16	6.8	6.75	3738,3740,4051	*08*,01,07
3108	59.3	+18 4	6.7	6.91	3354,3356,4051	05,07,*12*
3147	59.3	+ 6 19	8.1	8.04	3354,3356	09,*09*
3149	59.4	+ 6 15	7.9	7.14	3354,3356	09,*09*
3160	59.4	+ 0 56	7.2	*7.04*		A . .
11405	59.4	−32 35	8.0	7.87	3718,3729,4074,4102	05,*09*,02,01
R	59.5	−44 54	. .	4.72	3721,3741,4476	23,*51*,27
1834	59.6	+58 12	6.0	*6.13*		. . A
2142	59.6	+46 19	4.1	*4.57*		. . A
2708	59.6	+36 55	6.3	*5.83*		. . A
4307	59.6	−19 32	2	*2.68*		*02*, . 02
12692	59.6	−23 57	7.3	7.45	3707,3729	05,*05*
4269	59.8	−21 34	7.5	7.80	3707,3729	01,*01*
3870	59.9	− 3 15	6.8	6.88	3715,3741,4051	*14*,04,11
1095	0.0	+65 12	6.5	7.20	4090,4115	*08*,07
1608	0.0	+58 50	3.5	4.11	3351,3352,3356,3707,3721,3731,3737,3738,3742,3752,3753,3755,3764,4051,4077,4087,4090,4092,4094,4097,4101,4102,4110,4118,4424,4431,4455,4456,4462,4463,4471,4474,4476,	19,09,*21*,00,*12*,08,05,*19*,*11*,22,43,*05*,13,18,*04*,09,25,*05*,*19*,*03*,05,12,03,09,*16*,*04*,08,*25*,03,07,*07*,03,*16*,

16^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4477,4486	*13*,*42*
3020	0.0	+25 30	7.5	7.06	4114,4115	01,*02*
10642	0.0	−36 32	4.9	4.14	3712,3721,3729,	*08*,*01*,08,
					3742,4094,4103,	*11*,*12*,46,
					4424,4474	*33*,10
1645	0.1	+59 54	7.5	*7.76*		A . .
12700	0.2	−23 20	6.2	*5.74*		. . A
580	0.3	+76 22	7.5	7.98	3351,3737	13,*14*
2731	0.4	+34 27	7.0	*7.02*		A . .
4234	0.4	− 6 1	6.3	6.38	3715,4455,4463	04,08,*13*
4235	0.6	− 5 53	6.7	6.43	3715,4455,4463	*04*,11,*08*
10648	0.7	−36 29	6.5	5.76	3712,4094,4103	00,*04*,04
3134	0.8	+ 8 22	6.8	6.14	3356,3731,4051	01,*08*,08
11425	0.8	−32 52	7.4	7.52	3713,3729,4074,	02,01,*10*,
					4098	08
4405	1.0	−20 24	4.7	4.28	4424,4424,4424,	*33*,*22*,*37*,
					4424,4424,4424	05,49,40
10649	1.0	−36 27	6.8	6.92	3712,4103,4432	*12*,*10*,22
2955	1.1	+10 12	7.5	*7.02*		A . .
4068	1.1	−11 39	7.5	7.26	3738,3740	*16*,15
3042	1.2	+ 1 58	7.3	7.48	3356,3731	*05*,06
1697	1.3	+59 41	6.3	*6.20*		*14*, . 15
2921	1.3	+22 11	7.0	7.21	4114,4115	*14*,14
3063	1.4	+13 35	8.5	6.66	3356,3731,4092,	02,12,*04*,
3064	1.4	+13 35	7.5		4470,4474	*12*,01
4219	1.4	−16 41	7.3	7.58	3738,3740	01,00
2947	1.5	+39 24	6.5	6.71	4091,4113	*02*,02
4342	1.5	−13 48	7.0	*6.33*		. . A
4491	1.5	−17 40	7.5	7.46	3738,3740	*07*,08
10742	1.5	−35 58	7.0	6.82	3712,4102,4103	*08*,12,*05*
2814	1.6	+31 50	7.3	7.76	4091,4113	*09*,10
4408	1.6	−20 36	5.0	*4.58*		*21*,36,*14*
3875	1.8	− 3 37	7.5	7.66	3715,3741	*04*,04
650	1.9	+74 13	7.5	7.96	3351,3737	*15*,16
1698	1.9	+59 22	7.2	7.06	4063,4078	*04*,03
12552	1.9	−24 11	6.7	6.22	3707,3729,4076	13,*08*,*04*
10796	1.9	−27 28	7.3	7.30	3707,3721	10,*09*
10893	1.9	−38 50	7.3	6.44	3712,4103,4432	*19*,*01*,20
10894	1.9	−38 49	7.0	6.65	4103,4432,4458	*06*,45,*40*
2675	2.0	+32 30	7.0	6.90	4091,4113,4472	13,*02*,*11*
11369	2.0	−26 3	6.0	*5.54*		. *13*,14
4425	2.1	−12 28	5.8	*5.64*		. . A
2541	2.2	+44 1	7.5	7.72	4063,4101	*04*,05
2689	2.2	+36 48	7.5	7.36	4091,4113	*10*,10
4494	2.4	−17 58	7.0	6.97	3738,3740,4455	*03*,10,*06*
2749	2.5	+30 11	7.5	*7.86*		A . .
4347	2.7	−13 30	7.5	7.34	3738,3740	*08*,09
3069	2.8	+13 36	7.5	7.18	3356,3731	00,00
12731	2.8	−23 25	6.3	5.79	3707,3729,4076	*02*,07,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2958	2.9	+10 10	6.2	*5.67*		*02*, . 02
2926	3.0	+22 6	6.5	6.30	4114,4472,4474	*12*,04,08
4305	3.0	− 9 50	6.5	6.65	4092,4455,4463	04,*01*,*03*
1653	3.1	+60 19	7.0	*7.36*		A . .
2885	3.1	+16 0	7.5	7.92	3356,3731	*14*,13
2950	3.1	+12 40	7.5	7.40	3356,3731	05,*05*
4240	3.2	−18 44	7.5	7.54	3740,3758	03,*04*
12880	3.2	−30 47	7.3	7.12	3713,4074,4097	14,*04*,*09*
11456	3.2	−32 23	6.6	6.23	3713,4074,4098	14,01,*14*
2959	3.3	+10 22	7.3	*6.67*		06, . *06*
10338	3.4	−39 52	7.2	7.09	3712,4103,4458	*07*,24,*17*
10961	3.5	−33 17	6.0	5.60	3713,3721,3729,	*09*,*28*,12,
					3742,4094,4424	*01*,*13*,37
10772	3.5	−35 22	7.2	7.20	3713,4103,4458,	*17*,28,*06*,
					4463,4467	*01*,*03*
2774	3.6	+29 16	7.5	7.68	4114,4115	*02*,03
2964	3.6	+17 19	5.5	*5.12*		. 12,*12*
2965	3.6	+17 20	7.0	R		
3141	3.6	+ 8 48	6.4	5.75	3356,3731,4092	*10*,16,*06*
4205	3.6	− 7 57	7.5	7.61	3715,3741	*02*,02
4307	3.6	− 9 22	7.3	7.25	3715,3741	*14*,14
3153	3.8	+ 8 54	7.5	6.72	3356,3731,4470	03,28,*31*
4437	3.8	−12 47	7.1	6.98	3715,3738,4092	06,*04*,*02*
2300	4.0	+47 46	6.7	6.58	4063,4078,4101	05,01,*06*
3132	4.0	+ 8 43	6.8	6.10	3356,3731,4092	*07*,20,*14*
4502	4.1	−18 4	6.5	6.40	3715,3738,4092,	04,02,01,
					4092	*07*
4104	4.1	−22 9	7.8	7.40	3729,4076	14,*13*
11240	4.1	−26 39	6.9	6.66	3721,3729,4076	01,11,*11*
2967	4.2	+17 30	6.5	*6.07*		. 00,00
12577	4.2	−24 19	6.9	6.58	3729,4076,4077	*01*,*21*,21
2461	4.3	+49 22	7.2	7.61	4063,4078	*04*,04
2887	4.3	+16 5	7.5	7.66	3352,3354,3356,	*09*,20,*08*,
					3731,4479,4479	*02*,*01*,02
3169	4.3	+ 6 41	6.5	6.02	3356,3731,4092	*07*,00,07
4441	4.3	−12 37	7.3	7.59	3715,3738	08,*08*
10346	4.4	−39 52	7.5	7.89	3712,4103,4458	04,*01*,*04*
4287	4.5	−21 53	7.3	6.92	3729,4076,4458	08,03,*10*
4106	4.5	−22 50	8.0	7.48	3729,4076,4077	10,*10*, R
2670	4.6	+40 55	6.8	7.72	4063,4078,4101	*17*,20,*03*
3168	4.6	+ 1 4	7.0	6.75	3356,3731,4092	*32*,19,13
3884	4.6	− 8 12	6.1	*5.40*		. . A
2954	4.7	+12 1	7.2	6.93	3356,3731,4092	*08*,06,02
2374	4.8	+45 39	7.0	7.35	4063,4078,4101	*13*,*04*,16
12843	4.8	−29 9	5.8	5.01	4076	A
2777	5.1	+35 49	7.5	7.62	4091,4113	*02*,03
863	5.2	+70 32	6.5	6.75	4090,4115,4424	08,*05*,*02*
1098	5.2	+64 57	6.8	*7.30*		A . .
2591	5.2	+27 39	7.5	7.93	4114,4115	00,00
3170	5.2	+ 1 52	7.0	6.57	3356,3731,4092	*04*,01,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2699	5.3	+36 45	5.0	4.93	4091,4113,4472, 4474,4476	07,04,00, *06*,*06*
11247	5.4	−26 53	7.5	6.77	3721,3729,4076, 4097,4458	20,*02*,*16*, 05,*07*
707	5.5	+73 25	6.7	6.95	3351,3737,4115	*14*,14,01
2376	5.6	+45 12	3.8	4.37	4078,4462,4471, 4474	10,32,*22*, *19*
11424	5.8	−25 37	7.5	7.70	3721,3729	13,*14*
2673	5.9	+41 22	6.5	6.85	4063,4078,4101, 4462	*43*, T ,10, 33
2968	5.9	+10 18	7.2	*7.40*		A . .
864	6.0	+68 4	6.0	5.44	3351,3352,3356, 3707,3721,3731, 3737,3738,3742, 3752,3753,3755, 3764,4051,4076, 4077,4092,4094, 4101,4102,4110, 4114,4122,4127, 4424,4431,4432, 4456,4462,4463, 4471,4474,4477, 4478,4479	11,12,*19*, *01*,*05*,*03*, 11,09,13, *09*,17,*02*, 10,04,08, 10,08,*14*, 00,04,*10*, 10,13,21, *29*,06,*13*, 02,*16*,01, *21*,*07*,*01*, *08*,*03*
2595	6.0	+27 1	6.7	6.68	4114,4115,4122	*01*,*02*,02
3039	6.0	+25 45	7.1	7.48	4114,4115	02,*03*
4382	6.1	−19 11	7.3	R		. . .
10841	6.1	−27 40	5.3	*4.64*		. 02,*02*
11962	6.1	−28 9	6.1	*5.72*		. 02,*03*
4333	6.2	−19 12	4.5	3.91	3758,4463,4467	05,*13*,07
4511	6.3	−17 58	7.3	7.44	3715,3738	13,*12*
2257	6.4	+50 26	7.2	6.96	4063,4101,4462	*13*,*04*,17
4324	6.6	− 9 48	5.3	*4.96*		*12*, . 12
2971	6.7	+ 9 58	7.0	6.50	4092,4470	*15*,16
11001	6.7	−34 3	7.3	7.54	4074,4097,4098	*07*,01,06
2976	6.8	+40 48	7.0	7.55	4115,4122,4127	25,*06*,*20*
4180	6.8	− 8 17	5.0	*5.48*		. . A
616	6.9	+77 4	6.0	*5.50*		. . A
4337	6.9	−19 15	7.5	*7.50*		. A .
2982	7.0	+16 56	6.1	*5.93*		. . A
1622	7.1	+58 12	6.7	6.44	4064,4127,4462	*06*,08,*03*
2549	7.1	+44 4	7.0	*6.54*		. A .
2597	7.1	+27 10	7.3	7.37	4114,4115	*14*,14
1867	7.2	+56 6	6.7	6.59	4063,4101,4127	16,*02*,*14*
1461	7.3	+62 45	7.5	8.22	3737,3738	10,*09*
2909	7.3	+23 45	6.0	5.99	4115,4122,4472	11,*09*,*02*
2469	7.4	+48 53	7.0	7.50	4063,4078,4101	*01*,03,*03*
2529	7.4	+28 42	7.3	7.54	4114,4115	*06*,05
11981	7.4	−28 48	7.5	7.40	3729,4076	17,*18*
541	7.5	+80 54	7.3	*7.60*		A . .
4370	7.5	−14 51	7.4	*7.41*		A . .
2369	7.6	+48 4	7.0	7.60	4063,4078,4101	16,01,*16*
3144	7.6	− 1 28	7.2	7.46	3715,3741	01,*02*
3891	7.7	− 3 58	6.5	6.08	3715,3741,4092	09,*04*,*05*
12623	7.7	−24 10	6.7	6.34	3729,4076,4077	*06*,02,04
2696	7.8	+33 36	6.8	6.41	4091,4113,4115, 4122	*08*,07,09, *08*
4305	7.8	−21 9	7.0	6.70	3729,4076,4077	06,*23*,17
12689	7.9	−31 24	7.1	*6.63*		. . A
1850	8.0	+53 18	7.5	7.98	4063,4101	04,*05*
11525	8.0	−32 45	6.3	6.04	3713,4074,4097	*13*,02,12
10924	8.0	−38 53	7.5	7.66	3712,4103,4456	*12*,24,*12*
2706	8.1	+36 41	6.2	5.88	4127	A
3078	8.1	− 0 16	7.5	*7.10*		A . .
1253	8.2	+63 40	6.3	6.71	3737,3738,4127	*01*,*05*,06
2313	8.2	+47 50	7.5	7.66	4063,4078	*01*,00
3896	8.2	− 3 48	7.3	6.84	3741,4092,4455	14,*01*,*14*
10367	8.2	−39 22	7.3	7.03	3712,4103,4456	05,07,*11*
1658	8.3	+60 8	6.8	*6.70*		04, . *05*
3089	8.3	+13 4	7.2	6.96	3356,3731,4092	02,07,*10*
3165	8.3	+ 5 16	5.8	5.60	3356,4470,4474	03,*03*,*01*
4233	8.3	− 7 52	7.0	6.85	3715,3741,4092	15,*16*,00
4096	8.3	−11 35	5.8	*5.43*		. . A
3072	8.4	+19 21	6.8	*7.40*		A . .
2683	8.5	+42 38	6.3	6.05	4101,4471,4474	21,*28*,07
3149	8.5	− 1 13	6.8	6.58	3715,3741,4092	01,09,*10*
4308	8.5	−21 52	7.5	7.60	3729,4076	11,*10*
2961	8.6	+39 18	6.0	*6.63*		. . A
4444	8.6	−20 51	6.8	6.30	4076,4077	00,00
2603	8.7	+26 56	6.5	6.37	4114,4115,4122	04,01,*04*
3091	8.7	+13 47	6.7	*6.84*		. A .
4249	8.8	−18 17	6.5	6.37	3738,3740,4092	01,*07*,07
11453	8.8	−25 13	6.4	6.04	3721,3729,4077	*06*,00,06
2886	8.9	+21 49	6.8	6.55	4115,4122,4127	09,*26*,18
3120	9.0	+ 7 15	7.5	7.33	3356,3731	*08*,08
4127	9.0	−22 8	7.3	7.10	2729,4076	03,*03*
3903	9.1	− 3 26	3	3.07	3741,4455,4463	18,*07*,*11*
11273	9.2	−26 57	7.2	7.48	3721,3729	*09*,10
2155	9.3	+46 27	7.5	7.82	4063,4078	*04*,03
2680	9.3	+41 3	7.5	7.70	4063,4078	09,*08*
3184	9.3	+ 6 9	7.0	*6.44*		. A .
2963	9.4	+39 36	7.5	*8.22*		A . .
3151	9.4	+ 2 55	7.5	7.08	3356,3731	*05*,06
1704	9.6	+59 42	7.5	*8.06*		A . .
2736	9.6	+38 20	6.8	7.03	4091,4113,4115	00,07,*08*
2156	9.7	+46 9	7.3	7.66	4063,4078	*06*,05
2792	9.8	+29 0	7.5	7.52	4115,4122	10,*10*
12986	9.8	−30 22	7.3	7.50	3713,4074,4097	05,05,*09*
3158	9.9	+ 8 7	7.0	*6.84*		. A .
3157	9.9	− 1 31	7.5	6.97	3715,3741,4455	00,04,*04*
2987	10.0	+40 4	6.8	*7.27*		A . .

16^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4280	10.0	−10 47	7.5	7.60	3715,3738	*01*,01
4463	10.0	−12 25	7.5	7.26	3715,3738	19,*19*
4348	10.0	−19 49	7.5	*7.64*		A . .
4242	10.1	− 8 6	5.9	*5.49*		. . A
4383	10.2	−14 36	6.3	6.13	4092,4455,4463	00,11,*10*
3148	10.3	+18 28	7.5	7.50	3356,3731	*12*,13
2947	10.3	+11 45	6.9	*7.43*		. A .
2991	10.4	+40 35	7.3	7.86	4122,4127	*16*,16
12816	10.4	−24 2	6.9	6.62	3729,4076,4077,4458,4463,4464	13,*18*, T, 02,06,*04*
2750	10.9	+34 7	5.7	*5.43*		. . A
10911	10.9	−34 35	7.5	7.91	3713,4097,4098	*11*,*04*,*07*
3075	11.0	+19 3	6.0	5.79	3731,4470,4474	07,*01*,*05*
4454	11.1	−21 3	6.8	6.47	3729,4076,4076,4077,4077,4479,4479	03,*31*,*16*,24,26,*06*,01
10757	11.1	−37 30	7.5	7.47	3712,4103,4456,4458	R,01,*01*,00
3161	11.2	− 1 24	7.2	6.94	3715,3741,4092	*08*,*01*,10
4350	11.2	−19 51	6.5	6.65	4092,4455	10,*10*
2951	11.3	+11 41	7.5	*7.50*		. A .
4266	11.5	− 5 14	6.8	*7.20*		A . .
768	11.6	+71 33	7.5	8.28	3737,3738	02,*02*
3910	11.6	− 3 42	6.0	*6.12*		. 04,*05*
2613	11.7	+27 41	6.5	*6.30*		. . A
10921	11.7	−34 40	7.5	7.48	3713,4097,4098,4103	06,*13*,*02*,08
10727	11.7	−36 19	7.5	7.73	3712,4103,4456	*03*,18,*16*
718	11.9	+72 39	7.0	7.78	3737,3738	03,*02*
930	12.0	+67 24	6.3	6.35	4127,4462,4463	*03*,02,00
2916	12.0	+23 22	7.0	*6.59*		. A .
10893	12.0	−27 48	7.1	6.84	3721,3729,4076,4103	04,19,*18*,*06*
12037	12.1	−28 22	5.5	4.76	3721,4076,4458	15,*07*,*08*
2323	12.2	+47 17	7.3	7.92	4063,4078	04,*04*
2714	12.2	+36 48	7.0	7.11	4091,4113,4122	05,13,*18*
4394	12.3	−13 8	7.0	7.37	3715,3738	00,00
R	12.3	−42 26	. .	5.51	4094,4467,4476	*14*,*04*,17
4395	12.4	−13 12	7.5	7.26	3715,3738	00,00
3077	12.5	+19 6	7.2	7.56	3356,3731	*08*,07
4148	12.5	−23 2	7.3	*7.49*		. A .
2803	12.7	+29 23	5.7	*5.70*		. 06,*07*
3194	12.7	+ 1 44	7.4	6.59	3356,3731,4470	*16*,17,*01*
4534	12.7	−17 8	7.1	7.20	3715,3738	14,*15*
10877	12.7	−35 15	6.9	6.63	3712,4103,4456	11,*04*,*06*
4086	13.0	− 4 27	3.3	*3.26*		*13*, . 14
2747	13.2	+38 52	7.5	8.04	4091,4113	*09*,10
2805	13.2	+29 40	7.5	*7.51*		A . .
4357	13.2	−19 59	6.0	6.24	3738,4455,4463	05,15,*20*
13040	13.2	−30 40	7.3	R	4097	R

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
13041	13.2	−30 40	6.0	5.80	3713,3729,3742,4094,4098,4458,4464,4467,4470,4474	*24*,18,*08*,*05*,08,*13*,09,*05*,00,24
2995	13.3	+40 15	6.8	*6.87*		A . .
4398	13.3	−14 38	6.3	*6.06*		00, . 01
1574	13.4	+60 54	7.5	7.56	3737,3738	08,*09*
1856	13.4	+53 29	7.0	7.04	4063,4101,4127	*02*,*03*,04
10410	13.5	−39 16	7.3	6.95	3712,4103,4458	10,08,*17*
10411	13.5	−39 24	7.5	7.08	3712,4103,4458	*05*,18,*12*
2918	13.6	+23 51	7.5	*7.19*		. A .
594	13.7	+76 8	6.0	5.36	4136,4462	24,*23*
2702	13.8	+32 2	7.2	6.93	4091,4113,4472	*22*,29,*08*
4400	13.8	− 6 38	6.9	6.93	3715,3741,4092	16,*17*,00
4260	13.8	−18 35	7.0	6.89	3715,3738,4455	09,*12*,03
10412	13.8	−39 11	6.3	6.21	3712,4103,4458	*12*,15,*03*
2722	14.2	+35 57	7.3	7.44	4091,4113	*15*,16
2817	14.3	+26 8	6.5	*6.63*		. A .
4359	14.3	−19 49	7.3	*7.24*		A . .
12459	14.4	−29 17	7.5	7.62	3721,3729	*06*,07
12849	14.6	−23 56	5.1	*4.86*		. 07,*08*
4361	14.7	−19 53	7.3	7.06	3715,3738	04,*04*
4341	14.8	−21 36	6.8	7.11	4076,4077,4097,4098,4458,4464,4472	*11*,*11*,46,*03*,*15*,*10*,03
4480	14.9	−12 41	6.5	6.55	3715,3740,4092	03,14,*17*
586	15.0	+75 27	6.8	6.50	3737,4136,4463	20,*04*,*15*
11648	15.0	−33 4	7.3	*7.30*		. . A
11485	15.1	−25 21	8.4	8.03	3729,4097,4098	07,18,*24*
11651	15.1	−33 0	7.2	*7.44*		. . A
12852	15.3	−23 28	7.2	7.01	4076,4077	02,*02*
2755	15.5	+38 1	7.0	7.29	4091,4113,4122	16,06,*21*
775	15.6	+71 11	7.3	7.77	3738,3742	01,*01*
1665	15.6	+60 0	5.5	*5.74*		*03*, . 03
2902	15.8	+21 23	6.5	*6.01*		. . A
2689	15.9	+41 53	7.5	7.86	4063,4101	*03*,02
2623	16.1	+27 34	7.5	7.46	4115,4122	13,*13*
713	16.2	+73 38	6.2	*5.99*		. . A
2491	16.4	+49 17	6.0	*6.21*		11, . *11*
3005	16.5	+39 57	5.5	5.67	4091,4472	10,*10*
10771	16.5	−37 12	7.1	6.96	3712,4103	*02*,02
10966	16.6	−34 42	7.5	7.17	3713,4097,4098,4458	13,*04*, R, *09*
2169	16.7	+46 33	3.5	3.89	4136,4462,4471,4474,4476,4479,4479,4493,4493	37,36,00,*18*,*16*,*15*,03,*08*,*20*
2741	16.7	+37 11	7.0	6.75	4091,4113,4122	06,12,*18*
1470	16.8	+62 38	7.3	7.49	3737,3738	*01*,01
3006	16.9	+40 29	7.3	7.90	4122,4127	*17*,17
2958	16.9	+22 30	7.0	7.03	4115,4122,4127	*05*,*11*,16

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4216	16.9	− 8 31	7.0	7.14	3715,3741	09,*08*
4159	16.9	−22 53	7.3	7.45	4076,4077,4103	*13*,10,08
3215	17.0	+ 1 16	5.0	*4.82*		. 10,*10*
4280	17.1	−16 47	6.8	6.67	3741,4092,4455	00,00,00
3126	17.3	+13 41	7.3	7.30	3356,3731	*02*,01
3173	17.3	+ 3 7	7.0	7.36	3356,3731	*03*,06
10983	17.8	−38 58	5.8	5.36	3742,3752,4094, 4474	06,06,*06*, *04*
3174	17.4	+ 3 19	7.4	7.32	3356,3731	*09*,08
2394	17.5	+45 47	7.0	7.58	4078,4101	12,*11*
2959	17.5	+22 2	7.5	7.10	4115,4122	20,*19*
3086	17.5	+19 23	3.0	*3.77*		. 05,*05*
3174	17.5	− 1 51	6.7	6.11	3715,3741,4092	*08*,06,03
11687	17.5	−32 58	6.5	6.31	3013,3713,4097	*02*,13,*12*
4419	17.6	− 6 59	7.3	7.70	3715,3741	*04*,04
1960	17.8	+52 16	6.8	6.67	4063,4101,4162, 4462	*08*,*17*, R, 24
10778	17.9	−37 20	5.8	5.46	3712,3752,4094, 4458,4474	*16*,06,*11*, *03*,24
2566	18.0	+44 3	7.3	7.82	4063,4078	08,*09*
3105	18.0	− 0 38	7.0	7.28	3715,3741	10,*10*
868	18.1	+68 48	6.5	6.69	4478	A
2697	18.1	+41 40	7.3	7.87	4063,4078,4136	*13*,03,11
2845	18.2	+31 7	5.1	*4.93*		. . A
10981	18.2	−34 40	7.2	6.98	3713,4097,4098	*01*,07,*06*
4365	18.3	−19 49	5.0	*4.60*		*04*, . 05
11827	18.3	−26 55	7.3	7.34	3721,3729	*04*,04
12513	18.4	−29 28	5.9	5.40	3729,4103,4458	30,*04*,*25*
2773	18.6	+34 2	5.2	*5.58*		. . A
1669	18.7	+60 1	7.0	*7.56*		A . .
2774	18.7	+33 56	5.3	*5.58*		. . A
4129	18.7	−11 40	7.3	7.47	3740,3741	06,*06*
12856	18.7	−31 12	7.5	7.10	3713,4097,4103	*05*,03,03
2716	19.1	+32 34	6.5	*6.24*		. 06,*07*
3164	19.3	+ 7 10	6.0	*5.72*		. 12,*13*
12864	19.3	−31 29	8.0	7.92	3713,4097,4103	03,*05*,03
12860	19.4	−23 14	7.5	*6.56*		. . A
12529	19.4	−29 11	7.9	7.56	3721,3729,4076	13,02,*16*
4179	19.5	− 2 16	7.0	7.00	3715,3741,4092	*08*,02,07
1671	19.6	+57 7	7.5	7.64	4063,4101	09,*08*
2570	19.6	+44 19	7.3	*7.44*		A . .
2810	19.6	+35 50	7.5	7.42	4091,4113	*03*,04
2996	19.6	+10 29	7.2	7.20	3356,3731	*15*,15
12861	19.6	−23 13	4.8	*4.70*		. 09,*10*
2559	19.9	+28 37	6.8	7.47	4115,4122,4127	20,*29*,10
874	20.1	+70 36	7.3	7.46	3737,3738	16,*17*
2821	20.1	+29 52	7.5	*7.81*		A . .
2334	20.3	+47 52	7.3	8.10	4063,4078	31,*30*
596	20.4	+75 59	5.3	5.15	3738,4136,4462	00,*11*,12
2282	20.4	+50 35	7.5	7.34	4063,4101	12,*13*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2703	20.6	+42 21	7.8	7.90	4063,4078	*01*,01
2746	20.6	+37 15	7.5	8.00	4091,4113	*02*,03
2769	20.8	+38 42	7.5	8.10	4091,4113	03,*02*
3049	20.8	+14 16	5.2	*4.46*		. 01,*02*
3096	20.9	+19 29	7.0	*7.30*		05,*05*, .
3022	21.0	+17 31	7.5	7.86	3356,3731	*18*,19
3203	21.0	+ 9 37	6.8	6.85	3752,4470,4474	*03*,00,04
4282	21.2	−18 14	5.2	*4.92*		. 19,*20*
4572	21.3	−17 32	7.0	7.16	3753,4092	05,*04*
12551	21.3	−29 4	7.5	6.90	3721,3729	05,*04*
3103	21.4	+ 2 44	7.2	6.56	3356,3731	*13*,14
4360	21.4	−21 53	7.5	7.63	4076,4077	*05*,05
2984	21.5	+11 40	6.5	6.21	3731,3752,4470	*07*,02,06
10783	21.6	−36 58	6.4	5.91	3712,3713,4103, 4456	15,05, T, *21*
2400	21.7	+44 56	7.0	*7.17*		A . .
1964	21.9	+52 31	6.5	6.69	4063,4101,4127	18,*32*,14
2750	21.9	+37 37	5.7	5.60	4113,4472,4474	32,*05*,*26*
3000	21.9	+15 20	7.5	7.45	3731,3752	*02*,02
3106	21.9	+ 2 35	7.0	6.18	3356,3731,4474	*15*,02,13
845	22.0	+69 20	5.5	*5.46*		. . A
2987	22.0	+11 13	7.2	7.04	3731,3752	10,*10*
3208	22.0	+ 9 31	7.0	6.70	4470,4470	*01*,00
2943	22.1	+16 12	7.0	6.77	3731,3752,4474	04,*07*,04
11513	22.1	−25 14	7.1	6.85	3721,3729,4076	*02*,*06*,09
1844	22.2	+55 35	7.2	6.94	3742,4063,4101	07,*07*,01
1845	22.2	+55 26	5.7	5.74	3742,4063,4462, 4471,4474,4476	*36*,25,09, *02*,03,02
2709	22.2	+42 46	7.5	7.65	4078,4101	08,*08*
877	22.3	+70 44	7.2	7.28	3737,3738	05,*05*
2404	22.3	+45 37	7.1	7.58	4078,4101	06,*05*
4292	22.3	− 7 28	6.1	5.54	3715,3741,4455	*08*,00,08
1965	22.4	+51 58	6.9	7.24	3742,4063	00,00
4243	22.4	− 8 9	5.2	*4.56*		. . A
1478	22.5	+61 56	6.5	5.64	3737,3738,4127	24,*15*,*09*
623	22.6	+77 47	7.5	7.53	3737,3738	10,*10*
1591	22.6	+61 44	2.5	2.88	3707,3737,3738, 3750,3752,3755, 3766,3771,3772, 4063,4076,4114, 4115,4122,4127, 4136,4157,4158, 4162,4431,4432, 4462,4464,4467, 4470,4471,4477, 4478,4479,4486, 4487,4493	*13*,24,*02*, *09*,*01*,*29*, 26,02,*09*, 08,*04*,11, 10,21,07, 03,*12*,07, *06*,09,10, 08,03,*17*, *10*,00,*02*, *13*,*09*,*28*, 01, T
3199	22.6	+ 3 6	6.8	6.64	3356,3731,4474	*01*,01,*01*
4324	22.6	−15 59	7.0	7.11	3753,3764	*11*,11
4437	22.9	−13 11	6.8	6.85	3740,3753,4092	15,*21*,07

16^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
600	23.0	+76 22	7.2	6.90	3737,3738,4127	*02*,02,00	3011	25.7	+15 19	7.0	*7.49*		▲ . .
2097	23.0	+51 22	7.0	7.29	3742,4063	*09*,09	606	25.9	+76 40	7.5	7.57	3737,3738	*01*,01
2707	23.0	+41 3	6.5	6.97	4078,4101,4127	09,*10*,01	2934	25.9	+21 42	2.5	*2.86*		. . ▲
4580	23.0	−17 45	7.4	7.09	3753,3764	17,*17*	3118	25.9	+ 2 12	4.0	*3.78*		. 01,00
11202	23.0	−33 7	7.3	7.41	3713,4097,4103	02,*05*,04	2106	26.1	+51 39	6.2	6.37	3742,4136,4157	00,*12*,11
11359	23.3	−26 13	1.4	1.34	4479,4479,4493,	*07*,*07*,*06*,	*1968*	26.2	+51 59	7.2	7.72	3742,4063	*05*,05
					4493,4500,4500,	*04*,11, R,	2610	26.2	+43 14	7.5	7.58	4078,4462	*25*,25
					4506,4506	04,09	3283	26.2	+20 42	6.0	5.40	4122,4472,4474	06,*06*,*01*
3007	23.5	+15 33	7.3	7.50	3731,3752,3753	05,*02*,*02*	4381	26.2	−21 15	5.5	*4.52*		. 14,*15*
3529	23.5	+ 0 52	6.0	*5.44*		00, . *01*	789	26.5	+71 36	7.1	7.16	3737,3738	*08*,07
4299	23.5	− 7 55	7.2	6.41	3715,3741,4092	*05*,09,*05*	11244	26.5	−33 19	7.3	7.34	3713,4097,4103	15,*25*,11
2996	23.6	+39 5	7.5	8.04	4091,4113	*05*,05	4406	26.6	− 9 28	7.0	7.24	3715,3741	13,*12*
3530	23.6	+ 0 18	7.2	*6.71*		07, . *07*	4533	26.6	−12 13	6.8	7.07	3740,3753	*03*,03
2400	23.7	+48 11	6.5	6.52	4078,4101,4127	*06*,01,05	3215	26.7	+ 8 31	7.7	*7.15*		. ▲ .
10817	23.7	−37 46	7.5	7.58	3712,3713,4067	06,06,*13*	12976	26.7	−31 20	7.6	7.95	3713,4097,4103	12,*02*,*11*
2408	23.8	+45 11	7.3	*7.27*		▲ . .	*2800*	26.8	+38 59	7.0	7.04	4091,4113,4122	09,16,*25*
2845	23.8	+26 12	6.5	6.68	4115,4122,4136	12,01,*14*	2983	26.9	+22 25	6.5	5.96	4115,4122,4136	17,*02*,*14*
3008	23.8	+15 40	7.5	7.46	3731,3752	*03*,02	4335	26.9	−15 46	7.5	6.91	3753,3764,4092	*13*,04,09
4440	23.8	−13 21	7.2	7.18	3740,3753	*17*,16	*2715*	27.0	+40 57	7.5	7.84	4078,4462	05,*04*
786	23.9	+71 2	7.5	7.66	3737,3738	*05*,06	10832	27.0	−37 10	7.5	7.46	3712,4067,4103	04,*13*,10
12694	23.9	−24 56	8.3	7.24	3729,4076	05,*06*	R	27.0	−43 50	. .	5.14	3752,4467,4476	*03*,07,*04*
4324	24.0	−11 0	9.0	8.59	3764,4092,4479,	*24*,00,11,	2859	27.1	+31 10	7.5	7.30	4091,4113	*19*,20
					4479,4493,4493	05,*12*,22	3218	27.1	+ 9 38	6.8	*6.67*		08,*08*, .
10967	24.0	−27 41	7.2	6.79	3721,3729,4456	08,00,*09*	11076	27.2	−34 13	7.5	7.59	3713,4067,4074,	00,*02*,10,
4433	24.1	−14 20	5.5	5.70	3740,3764,4455	10,*18*,09						4097	*08*
12695	24.1	−24 54	5.5	*4.84*		. 10,*09*	11022	27.2	−35 20	7.3	7.80	3712,4067,4103	03,*18*,14
2733	24.2	+32 55	7.2	*6.97*		. ▲ .	2514	27.4	+49 10	5.8	*6.30*		. . ▲
3107	24.2	+19 14	7.0	*7.18*		. 04,*04*	2788	27.4	+38 17	7.5	8.00	4091,4113	06,*05*
3155	24.2	+13 50	7.2	7.64	3731,3752	02,*01*	2828	27.4	+35 27	7.0	6.47	4091,4113,4122	10,13,*22*
4327	24.3	−10 54	7.0	6.74	3740,3753,4092	03,01,*03*	11040	27.4	−38 10	7.5	7.57	3712,4103,4458	00,*03*,03
3182	24.5	+18 38	7.0	*7.04*		. 04,*03*	2407	27.5	+48 9	6.8	7.03	4078,4101,4127	13,*12*,*01*
12590	24.5	−29 15	7.4	7.58	3721,3729	*10*,11	4336	27.5	−10 21	6.9	6.76	4092,4455	*06*,06
2834	24.6	+29 18	6.8	*7.11*		▲ . .	3223	27.6	+ 5 44	5.9	*5.58*		. 06,*06*
11043	24.6	−34 6	7.4	7.04	3713,4103,4456	*05*,03,03	4543	27.6	−12 35	7.3	7.58	3740,3764	08,*08*
2344	24.7	+47 33	7.5	7.46	4078,4101	05,*05*	2742	27.8	+33 44	7.1	*6.74*		. ▲ .
10695	24.7	−41 36	5.9	5.27	3752,4456,4467,	20,*25*,02,	2855	27.8	+26 15	7.5	7.56	4122,4136	*06*,06
					4474	04	3008	27.9	+11 42	5.2	*4.85*		. . ▲
11044	24.8	−34 29	4.6	4.28	3713,3752,4051,	*10*,*02*,29,	4546	27.9	−12 21	7.0	7.60	3740,3764	*01*,00
					4456,4470,4472,	*25*,*08*,23,	942	28.1	+67 16	6.8	*6.73*		. *07*,07
					4474	*04*	*3961*	28.1	− 4 3	7.0	7.18	3715,3741	*12*,11
11019	24.8	−38 47	7.5	7.49	3712,4067,4103	11,*12*,02	*850*	28.2	+68 59	5.2	5.00	3356,3707,3713,	*15*,*15*,*45*,
3236	24.9	+ 6 12	7.0	*6.94*		. ▲ .						3737,3740,3741,	15,*21*,*36*,
941	25.0	+67 16	7.3	*7.40*		. 11,*10*						3750,3753,3755,	12,*42*,*03*,
3210	25.0	+ 7 58	7.3	*7.22*		. ▲ .						3758,3762,3766,	*11*,10,18,
4329	25.0	−10 13	7.5	*7.26*		▲ . .						3771,3772,4063,	06,10,04,
4305	25.1	− 7 17	7.0	6.39	3715,3741,4092	*09*,09,*01*						4114,4115,4122,	*23*,*04*,49,
1640	25.2	+58 27	7.5	8.22	3742,4063	*01*,02						4127,4136,4157,	*02*,27,24,
11379	25.2	−26 19	6.5	6.22	3721,3729,4076	19,06,*26*						4162,4163,4462,	05,44,10,
4298	25.4	−16 23	5.0	*4.41*		. . ▲						4464,4467,4470,	*08*,*20*,*03*,
2105	25.5	+51 48	7.3	7.47	3742,4063	01,*01*						4471,4472,4477,	*10*,12,04,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4479,4487,4493	31,*07*,*18*
4444	28.2	−14 16	7.2	7.80	3740,3764	09,*10*
1122	28.3	+65 0	7.2	*7.75*		A . .
2719	28.3	+42 24	7.5	7.63	4078,4101	20,*20*
11037	28.6	−35 31	7.0	6.68	3712,4067,4103,4456	14,*07*,04,*09*
2422	28.8	+45 50	5.7	5.62	4127,4462,4471,4474	*03*,30,*22*,*03*
3025	28.8	+10 35	7.0	*6.70*		. A .
3225	28.9	+ 9 2	8.7	7.95	3752,3764	03,*03*
3030	29.2	+40 18	7.0	*7.17*		A . .
3167	29.2	+13 37	7.2	7.05	3731,3752	16,*16*
4324	29.2	− 7 56	7.8	7.82	3741,3753	*05*,06
R	29.4	−42 39	. .	5.61	3752,4458,4467	*13*,*05*,19
1278	29.5	+63 47	7.5	7.90	3737,3738	13,*13*
2834	29.6	+30 43	6.9	*6.66*		A . .
3229	29.7	+ 8 53	7.5	6.90	3356,3752,4474	05,07,*11*
11015	29.7	−28 1	3.2	2.78	3721,4097,4458	06,*18*,12
11285	29.7	−33 59	7.3	7.77	3713,4074,4097	*01*,*06*,07
11112	29.8	−35 3	4.4	4.41	3712,3766,4051,4456,4458,4470,4472	*02*,*19*,22,03,07,02,*11*
11044	30.0	−35 42	7.2	6.79	3712,3766,4067,4094	04,*08*,*01*,05
2795	30.2	+38 18	6.8	6.59	4091,4113,4122	07,14,*21*
2305	30.3	+50 20	6.8	*6.97*		A . .
11071	30.3	−38 28	7.5	7.36	3712,4067,4094	06,*07*,02
1685	30.6	+60 42	7.5	7.98	4063,4101	11,*12*
2724	30.9	+42 39	4.0	4.19	4078,4462,4471,4474	05,*01*,*05*,02
3053	30.9	+17 15	6.2	6.40	3731,4474,4476	27,*13*,*13*
3054	30.9	+17 19	7.5	7.30	3356,3731	*02*,01
1598	31.0	+61 2	6.0	5.74	3737,4136,4462	21,*20*,00
3220	31.1	− 2 6	5.8	*5.88*		24,*28*,04
4270	31.1	− 8 39	6.8	6.77	3715,3741,4092	02,06,*09*
498	31.3	+79 11	5.5	5.47	4136,4462,4463	*04*,04,01
1976	31.5	+52 26	7.0	6.80	3742,4063,4101	*13*,08,06
2115	31.5	+51 10	7.5	7.94	3742,4063	*03*,03
1281	31.7	+63 2	6.8	7.22	3737,3738	*06*,05
4350	31.7	−10 22	3	*2.62*		*14*,12,02
11087	31.7	−38 57	7.2	6.95	3712,4067,4094	13,*23*,09
3209	32.0	+ 7 19	8.0	R		
3553	32.0	+ 0 27	7.2	7.01	3356,4474,4476	*18*,01,16
3029	32.1	+15 42	6.5	*6.29*		A . .
2413	32.3	+48 36	7.5	8.38	4078,4101	*09*,08
4182	32.3	−22 41	6.8	7.59	4076,4077,4077	*27*,23,04
3086	32.4	+14 40	6.8	*6.59*		A . .
10879	32.4	−37 1	6.2	6.04	3755,3766,4051,4067,4470,4472	*15*,*02*,12,09,00,*07*
2873	32.5	+31 9	7.2	7.32	4091,4113	*08*,08
2965	32.6	+23 4	7.0	6.89	4114,4122,4136	12,*05*,*06*
3240	32.6	+ 5 29	6.8	*6.68*		. A .
4467	32.6	− 6 20	6.2	5.91	3715,3753,3764	*05*,*01*,07
4606	32.6	−18 1	7.2	6.68	3740,3758,4092	04,05,*08*
2816	32.7	+34 1	6.7	*7.24*		A . .
4302	32.7	−18 38	7.1	7.08	3740,3758	10,*11*
2756	32.9	+36 14	7.5	7.36	4091,4113	*11*,11
4469	33.0	− 6 57	7.5	7.64	3715,3741	10,*09*
12708	33.0	−29 43	7.5	7.13	3729,4076	10,*10*
13336	33.0	−30 16	7.3	7.57	4074,4077,4103	*10*,12,*02*
734	33.2	+72 49	6.3	6.37	4024,4462	03,*03*
3177	33.2	+13 54	6.0	*6.27*		. *03*,03
2194	33.3	+46 49	6.0	*5.93*		. . A
3153	33.4	− 1 2	6.7	6.80	3715,3741,3758,3764	*15*, R,10,04
4282	33.4	− 8 25	6.8	6.75	3715,3741,4092	*15*,15,01
1688	33.5	+60 40	7.0	7.64	4063,4101,4127	30,*14*,*16*
4427	33.5	−10 4	7.3	*7.91*		A . .
10564	33.5	−39 43	7.5	7.62	3712,4067,4094,4103,4458,4467,4476	*06*,*19*, R,42,*05*,*07*,*08*
361	33.6	+83 55	7.2	*7.06*		A . .
11843	33.7	−33 33	7.0	6.57	3713,3766,4074	10,*03*,*07*
1875	33.8	+53 6	5.3	*5.70*		. . A
2661	33.8	+27 15	6.5	7.08	4114,4122,4136	12,*01*,*10*
1650	33.9	+57 58	7.5	7.34	3742,4063	*02*,02
1876	33.9	+53 8	5.0	*5.15*		. . A
3054	33.9	+12 50	7.2	7.74	3731,3752	02,*01*
12277	33.9	−28 44	7.2	7.00	3721,4076,4077	*02*,02,00
879	34.0	+68 13	7.2	*7.28*		. 08,*09*
3225	34.0	− 1 35	7.5	7.60	3715,3741	*05*,05
11067	34.0	−35 29	6.9	6.52	3712,3766,4067,4094	11,*22*,*07*,16
4226	34.1	− 2 55	7.3	7.89	3715,3741	*01*,01
10899	34.1	−36 57	7.2	7.12	3712,4067,4094	21,*21*,*01*
4430	34.2	− 9 21	7.0	6.38	3715,3741,4092	*10*,19,*08*
2624	34.4	+43 46	7.5	7.15	4078,4462	*01*,01
3021	34.7	+39 46	6.8	7.08	4091,4113	07,*08*
4334	34.7	− 5 53	6.6	6.68	4092,4455	06,*06*
4537	34.7	−20 13	6.5	6.55	4076,4077	04,*04*
627	34.9	+77 39	6.5	6.57	3737,4127,4462	*04*,07,*02*
3038	35.0	+24 53	7.4	*7.96*		A . .
3000	35.1	+22 11	7.2	6.87	4114,4122,4472	*09*,*02*,10
11913	35.3	−32 57	6.4	5.80	3713,3766,4074	04,01,*04*
2970	35.4	+23 11	7.0	7.00	4114,4122,4136	12,*09*,*03*
2864	35.5	+29 24	7.3	*7.21*		A . .
4616	35.5	−17 52	7.3	6.64	3740,3758,4455	04,04,*09*
12765	35.5	−24 16	6.3	6.08	3729,4076,4077	03,*09*,06
11076	35.5	−27 37	7.0	6.54	3721,3729,4076	*14*,06,07
3234	35.6	+ 4 24	7.5	*6.99*		. 04,*04*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
3235	35.6	+ 4	25	6.1	*5.72*		. *02*,03
4287	35.6	− 8	7	7.0	6.59	3715,3741,4092	03,08,*11*
4190	35.6	−11	39	6.5	7.03	3740,3758	*01*,01
2811	35.7	+38	32	7.2	7.51	4091,4113	*01*,01
3069	35.7	+17	54	6.8	7.42	3731,3752	00,00
2530	35.8	+49	4	7.3	6.73	4078,4462,4471,	*16*,27,*01*,
						4474	*09*
4618	35.8	−17	33	5.3	5.01	3740,3758,4455	09,*03*,*06*
13380	35.8	−30	20	7.5	7.75	3713,4074,4077	04,*22*,19
10916	35.8	−36	53	6.9	6.54	3712,4067,4094,	14,*05*,*17*,
						4103	07
1289	35.9	+63	17	6.5	6.44	3737,3738,4127	06,*01*,*06*
4230	35.9	− 2	39	7.0	7.09	3715,3741	*13*,13
12301	35.9	−28	56	7.5	7.70	3721,3729	*03*,04
1907	36.0	+56	13	5.4	5.36	3750,4136,4462	*27*,15,12
2531	36.0	+49	7	5.0	*5.10*		. . A
3168	36.0	− 0	48	6.5	6.24	4092,4455	*04*,04
4406	36.0	−19	44	6.0	*5.48*		*06*, . 07
10931	36.1	−37	9	7.3	7.14	3712,4067,4094	25,*08*,*17*
3063	36.2	+12	35	6.0	*6.02*		. 11,*12*
3286	36.3	+ 1	24	7.3	*6.64*		. . A
2125	36.4	+51	1	7.0	7.03	3742,3750,4063	*17*,*07*,25
3254	36.5	+ 5	4	7.2	*6.75*		11,*11*, .
3290	36.7	+ 1	21	6.5	*5.84*		. . A
2787	36.8	+37	33	7.5	7.80	4091,4113,4122	*03*,10,*07*
1604	36.9	+61	23	7.0	7.01	3737,3738	*08*,08
3115	36.9	+25	3	6.0	6.23	4091,4113,4122	08,04,*12*
3004	37.0	+22	39	7.5	7.24	4114,4122	*01*,02
10942	37.0	−37	58	6.4	6.08	3712,4094,4103	17,*28*,10
4373	37.1	−10	58	7.1	7.12	3740,3758	02,*01*
3146	37.2	+19	8	7.0	7.39	3731,3752	*09*,09
13402	37.2	−31	2	7.4	7.78	3713,4074,4077	*02*,*02*,05
13161	37.2	−31	55	6.8	6.40	3713,3766,4074	01,13,*14*
11167	37.2	−38	8	7.5	7.86	3712,4094,4103	14,*03*,*11*
2879	37.4	+26	17	7.3	7.62	4114,4122	09,*09*
2767	37.5	+36	23	7.8	7.19	4493,4493	02,*02*
2884	37.5	+31	47	3.0	*2.92*		. . A
2861	37.5	+30	28	7.5	7.47	4091,4113	13,*13*
2668	37.5	+27	7	6.0	5.96	4114,4472,4474	05,03,*09*
4482	37.6	−13	50	7.3	8.12	3740,3758	*07*,06
11504	37.6	−26	37	6.9	6.86	3721,3729,4076,	59,*12*,*22*,
						4077,4458,4467,	*05*,*18*,*09*,
						4476	06
519	37.7	+80	0	7.0	*6.95*		A . .
2736	37.7	+42	40	7.5	7.56	4078,4101	10,*09*
2886	37.7	+31	4	7.4	6.97	4113,4122,4472	21,*24*,04
4196	37.7	−22	32	6.8	7.47	4076,4077	*04*,04
4547	37.8	−20	30	7.5	*7.62*		A . .
4197	37.8	−22	56	7.5	8.13	4076,4076,4077	*13*,06,07
10661	37.8	−40	39	5.9	5.65	3755,4102,4458,	*21*,25,01,

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
						4472	*06*
10635	37.9	−39	12	7.3	7.21	3712,4094,4103	07,*19*,12
2826	38.0	+34	48	7.5	*7.67*		A . .
3982	38.0	− 3	57	7.3	7.87	3715,3741	*09*,09
11103	38.0	−27	16	6.8	6.38	3721,3729,4077	*09*,18,*08*
2970	38.1	+21	46	7.3	7.06	4114,4122	*03*,04
2771	38.3	+33	19	7.5	7.80	4091,4113	*08*,07
4199	38.3	−22	20	7.0	7.55	4076,4077	05,*05*
3040	38.4	+15	51	7.5	7.68	3731,3752	*01*,02
3205	38.6	+13	5	7.0	7.62	3731,3752	13,*12*
3172	38.6	− 0	35	7.5	*7.73*		A . .
2882	38.8	+26	2	7.1	7.44	4114,4122	06,*05*
12358	38.8	−28	19	6.4	5.96	3721,3729,4077	09,*01*,*07*
2742	38.9	+41	23	7.5	7.81	4078,4101	05,*05*
3069	38.9	+12	36	7.1	7.26	3731,3752	03,*03*
4495	39.0	−13	53	7.5	8.10	3740,3758	*03*,04
13434	39.0	−30	37	7.1	7.00	3713,4074,4077,	04,*03*,11,
						4097	*14*
11421	39.0	−33	40	7.0	7.18	3713,4074,4077	04,*06*,01
3323	39.1	+20	55	7.3	7.10	4114,4122	03,*02*
4205	39.1	−28	0	6.5	6.89	4076,4077,4458	05,10,*14*
12368	39.3	−28	39	7.6	7.40	3721,3729	*02*,01
3029	39.5	+39	7	3.0	3.56	4113,4472,4474,	30,*04*,12,
						4506,4506,4507,	*06*,*01*,*04*,
						4507	*27*
2772	39.5	+36	42	7.7	6.90	4493,4493	01,*02*
4320	39.6	−18	57	6.7	6.89	3740,3758,4092	12,*03*,*09*
11533	39.6	−26	28	7.1	6.85	3721,3729,4076	*03*,*08*,12
12377	39.7	−29	1	8.0	7.84	3721,3729	02,*02*
562	39.8	+77	57	6.8	6.92	3737,3738,3742	*01*,*04*,05
2319	39.8	+50	9	6.5	*6.64*		A . .
4242	39.9	− 2	54	6.9	7.25	3715,3741,3753	*10*,02,09
1501	40.0	+62	30	7.2	7.24	3737,3738	*03*,03
2984	40.0	+23	42	7.0	6.76	4114,4122,4136	01,01,*02*
10677	40.0	−39	12	6.0	5.68	3712,3713,3755,	*01*,21,*16*,
						3766,3772,4051,	*14*,*04*,34,
						4472	*21*
2830	40.1	+34	13	6.0	*5.96*		*02*, . 01
3288	40.1	+ 6	18	6.5	*6.71*		. A .
1145	40.2	+64	47	5.2	5.00	3356,3713,3737,	*35*,*07*,*17*,
						3740,3741,3752,	*06*,10,14,
						3753,3758,3762,	*02*,*04*,*21*,
						3766,3771,3772,	03,*25*,10,
						4067,4078,4111,	15,*30*,22,
						4113,4114,4115,	16,*13*,23,
						4122,4127,4158,	*07*,00,25,
						4163,4164,4432,	03,17,12,
						4456,4462,4464,	*11*,02,*10*,
						4467,4470,4472,	01,08,*10*,
						4476,4478,4479,	11,07,18,

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
					4486,4491,4500	*23*,*06*,09
12008	40.2	−32 46	8.0	8.01	3713,4074,4077	18,*20*,03
10684	40.2	−39 21	7.3	6.90	3712,3713,3772	*03*,*01*,04
3298	40.4	+ 1 12	7.0	*5.99*		. *03*,03
13224	40.5	−31 16	7.5	7.59	3713,4074,4097	16,04,*20*
11667	40.7	−25 21	7.0	6.79	3721,3729,4076	*03*,22,*18*
1872	40.9	+55 53	6.3	6.23	3742,4063,4136	*16*,25,*10*
2990	40.9	+23 55	7.3	7.32	4114,4122	02,*02*
3013	40.9	+15 56	6.1	5.87	3731,3752,4474	*10*,03,06
3271	41.0	+ 8 46	5.6	*5.30*		. 05,*04*
3250	41.0	+ 4 13	7.0	7.10	3752,3753	10,*10*
2607	41.1	+28 32	7.2	*7.09*		. A .
11450	41.1	−33 31	7.1	7.71	3713,4074,4077	03,*09*,05
2130	41.3	+51 44	7.3	7.63	3742,3750	*02*,02
10972	41.5	−36 42	7.7	7.24	3712,4094,4103	14,*13*,*02*
2433	41.8	+48 26	7.0	7.76	3742,3750	07,*06*
3174	41.9	+ 2 25	7.5	6.74	3356,3752,4474	*01*,02,*02*
10994	41.9	−37 4	7.5	7.32	3712,4094,4103	*05*,*07*,11
2326	42.0	+50 5	7.3	*7.32*		A . .
2642	42.0	+43 24	6.0	*6.20*		. . A
13483	42.0	−31 2	6.7	6.69	3713,4074,4077	*03*,*10*,14
12834	42.1	−24 21	7.1	7.48	3729,4077	01,*02*
2867	42.2	+35 49	7.5	7.27	4091,4122	18,*18*
3175	42.2	+ 2 14	6.6	6.04	3356,3752,4474	09,*11*,03
4392	42.3	−15 47	7.3	7.31	3740,3753	*01*,01
745	42.5	+72 51	7.0	7.11	3738,4462,4470	*22*,27,*05*
3218	42.6	+13 12	7.3	8.02	3752,3753	03,*02*
11468	42.7	−33 51	7.0	7.08	3713,4074,4077	*07*,*13*,21
3272	42.8	+ 5 25	5.3	*5.18*		. 03,*02*
4486	42.8	−14 44	6.1	6.06	3715,4455,4474	07,*08*,00
2211	42.9	+46 14	7.0	7.40	3742,3750	11,*11*
1609	43.0	+61 9	7.5	7.72	3737,3738	09,*09*
13265	43.1	−31 29	7.2	6.92	3713,4074,4077	*13*,*11*,24
1702	43.4	+56 58	5.0	*4.84*		. . A
3045	43.4	+11 20	7.3	7.40	3752,3753	02,*02*
511	43.5	+79 6	6.3	6.40	4127,4136	*03*,02
3225	43.5	+13 46	5.9	*6.33*		. . A
4320	43.5	− 8 45	7.4	7.78	3715,3741	*15*,15
1876	43.6	+55 29	6.7	*7.06*		A . .
2381	43.6	+47 43	7.5	7.96	3750,4078	*02*,03
4165	43.6	− 4 20	6.9	*7.26*		A . .
4422	43.6	−21 41	7.0	7.60	4077,4458	10,*09*
12857	43.6	−24 28	6.7	6.76	3729,4458	*04*,03
4395	43.7	−15 30	6.5	5.94	4506,4506,4507,4507	05,*07*,12,*08*
11285	43.7	−34 7	2.3	2.42	3354,3741,3755,3766,4103,4458,4467,4470,4506,4506	06,33,*03*,26,*02*,*16*,*42*,*25*,09,18
3093	43.9	+17 19	6.8	7.26	3731,3752	*16*,16
11585	44.0	−26 34	7.3	7.36	3721,3729	*11*,11
11244	44.0	−38 5	7.3	7.21	3712,4103,4458	15,*04*,*12*
2749	44.1	+42 26	6.5	6.15	3742,4078,4101	11,*03*,*09*
680	44.2	+74 5	6.5	6.64	4127,4462	*12*,13
2384	44.2	+47 43	neb.	*9.80*		. A .
2802	44.2	+37 43	7.5	6.97	4091,4122,4472	14,*32*,17
3244	44.3	+18 29	7.0	7.60	3731,3752	*02*,01
4394	44.3	−10 36	5.1	4.67	3755,4455,4474	*06*,11,*05*
11023	44.3	−37 21	6.7	6.06	3712,4098,4103	*02*,09,*07*
3228	44.4	+13 3	7.3	7.45	3752,3753	08,*08*
3230	44.5	+13 6	6.8	6.78	3752,3753,4474	18,*16*,*03*
4598	44.5	−12 13	7.0	7.83	3740,3755	14,*14*
10957	44.5	−41 4	5.9	5.26	3356,3740,3741,3755,3772,4102,4464,4464	23,*07*,*02*,*05*,*20*,14,04,*05*
1878	44.8	+55 36	7.0	*7.06*		. *17*,18
3233	45.0	+13 26	5.6	5.84	4477,4478,4487	*05*,*08*,13
2783	45.1	+36 5	7.3	7.07	4091,4122	26,*26*
3057	45.1	+15 27	9.0	9.12	4477,4478,4487	09,10,*20*
3282	45.1	+ 9 35	7.0	*7.02*		A . .
4360	45.1	−16 23	6.9	6.96	3740,3755,4092	*01*,05,*04*
11033	45.1	−37 53	3.6	3.09	3354,3356,3740,3741,3755,3758,3764,3766,4094,4098,4458,4464,4491	29,*07*,*18*,09,36,*15*,*24*,*01*,16,*10*,23,*28*,*10*
4259	45.2	− 2 29	6.2	6.37	3741,4455,4474	09,*08*,*02*
12876	45.2	−24 40	7.7	7.53	4077,4098	07,*07*
4336	45.3	−19 1	7.4	8.12	3740,3755	12,*13*
2870	45.4	+35 7	7.0	*6.77*		A . .
2849	45.4	+34 14	7.5	7.74	4091,4122	16,*16*
2880	45.4	+30 8	6.9	*6.68*		A . .
3058	45.4	+15 34	6.8	6.90	4477,4478,4487	25,*15*,*10*
11147	45.4	−35 18	7.4	7.75	3712,4094,4098	00,*04*,05
3256	45.5	+ 7 25	6.0	*5.53*		. . A
11037	45.6	−37 51	3.9	3.69	3354,3356,3740,3741,3758,3764,3766,4077,4458,4464,4491	59,13,*04*,*11*,*14*,*06*,07,25,*22*,*31*,*20*
3059	45.7	+15 39	9.3	9.31	4477,4478,4487	08,14,*21*
11271	45.7	−38 16	7.3	7.87	3712,4098,4103	05,*18*,12
2754	45.9	+41 49	7.0	7.48	3742,4078	*11*,11
2907	45.9	+26 23	7.0	7.18	4114,4122,4136	21,*20*,*02*
11041	45.9	−37 26	7.4	6.84	3712,4094,4098	16,*05*,*11*
11743	46.1	−25 26	7.0	6.91	3721,3729,4076	*12*,16,*04*
11030	46.1	−36 51	7.3	7.41	3712,4094,4098	21,*06*,*14*
1709	46.2	+57 40	7.2	7.03	3742,4063,4101	*26*,08,17
2442	46.3	+48 24	7.0	7.48	3742,4078	*16*,17
2220	46.3	+46 10	5.0	4.74	3742,4136	*14*,14
3060	46.3	+15 1	8.9	8.97	4477,4478,4487	04,*14*,10

16h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3083	46.3	+10 3	7.3	*7.32*		▲ . .
3287	46.3	+ 9 35	7.0	*6.77*		▲ . .
1307	46.4	+68 41	6.8	7.07	3737,3738	*02*,02
3323	46.4	+ 1 23	6.0	*5.45*		. . A
4492	46.4	−14 38	7.2	*7.81*		▲ . .
2654	46.6	+43 36	6.5	6.37	3742,4078,4101	10,*07*,*02*
3051	46.6	+15 58	7.5	7.24	3731,3752	04,*03*
11525	46.6	−33 7	7.3	7.45	3713,4074,4077	15,*09*,*07*
2884	46.7	+29 59	6.1	5.87	4122,4472,4474	*06*,*16*,21
3256	46.7	+18 14	7.0	7.62	3731,3752	07,*06*
13317	46.7	−31 43	7.3	7.40	3713,4074,4097	05,*04*,*02*
13560	46.8	−30 16	7.5	6.84	3713,4074,4077	13,*21*,09
2856	46.9	+33 58	7.5	7.64	4091,4122	21,*20*
4265	46.9	− 2 38	7.0	6.96	3715,3741,4092	*04*,07,*02*
969	47.0	+67 26	6.8	7.22	3737,3738	02,*01*
1897	47.0	+53 5	7.0	7.13	3742,4063,4101	*08*,14,*07*
2795	47.0	+32 44	6.8	6.26	4122,4136,4472,	*19*,*04*,*09*,
					4474,4476	12,18
R	47.0	−42 12	. .	4.82	3354,3356,3740,	30,*04*,*07*,
					3741,3758,3772,	05,00,*15*,
					4102,4115,4464,	17,*12*,02,
					4491	*18*
2228	47.1	+46 49	7.0	6.94	3742,4078,4101	*03*,*16*,20
4185	47.2	− 4 59	7.3	*7.85*		▲ . .
2753	47.3	+42 4	6.8	6.29	3742,4078,4101,	*08*, R ,04,
					4462,4471,4477,	11,*08*,*03*,
					4478	04
3006	47.4	+23 48	7.5	7.52	4114,4122	16,*15*
3342	47.4	+20 44	6.8	*7.18*		▲ . .
13576	47.4	−30 15	8.3	7.80	3713,4074,4458	*02*,*07*,09
634	47.5	+77 41	6.0	6.08	3738,4101,4136,	19,*15*,*12*,
					4462	06
2623	47.5	+28 17	7.0	6.94	4114,4122,4136	26,*12*,*14*
3066	47.5	+15 9	6.1	6.34	3753,4474,4476,	*02*,*09*,15,
					4477,4478,4487	04,*08*,08
4572	47.5	−20 15	6.6	*5.88*		*05*, . 05
3069	47.6	+24 50	5.8	5.11	4114,4122,4472	07,*11*,04
3061	47.6	+11 26	7.0	7.10	3752,3753	12,*13*
4226	47.6	−11 31	7.4	*8.20*		. ▲ .
R	47.6	−42 12	. .	3.86	3354,3356,3740,	16,02,20,
					3741,3758,3772,	15,*01*,01,
					4102,4115,4464,	12,*39*,*05*,
					4491	*24*
3150	47.7	+25 34	7.1	6.90	4114,4122,4472	09,*08*,*01*
13581	47.7	−30 36	8.6	8.39	3713,4074,4077	04,01,*05*
872	47.9	+69 14	7.5	7.36	3737,3742	*03*,03
888	47.9	+68 1	7.5	7.66	3737,3742	04,*05*
2754	47.9	+42 14	7.5	7.60	3742,4078	*14*,14
2624	47.9	+28 50	6.8	6.52	4114,4122,4136	*04*,*02*,06
3593	47.9	+ 0 11	7.0	*6.78*		▲ . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
11546	47.9	−33 19	7.2	6.94	4074,4077,4097	*09*,04,06
2445	48.1	+48 30	7.3	7.70	3742,4078,4462,	03, R ,13,
					4471,4477,4478	*18*,08,*08*
13588	48.1	−30 34	8.4	8.09	3713,4074,4077	20,*28*,09
11770	48.2	−25 40	7.2	7.10	3721,3729	*09*,10
13594	48.2	−30 26	6.8	6.17	3713,4074,4458	18,*02*,*16*
3261	48.3	+18 14	6.5	6.87	3731,3752,4474	18,*02*,*15*
3197	48.3	− 0 58	7.2	7.68	3715,3741	03,*04*
11316	48.3	−38 15	7.5	7.18	3712,4094,4098,	*07*,*07*,*30*,
					4103,4458,4467	34,11,00
13598	48.4	−30 49	7.5	7.37	3713,4074,4077	*07*,*17*,23
3070	48.5	+15 3	8.5	8.33	4477,4478,4487	08,*07*,*01*
3065	48.5	+11 2	7.1	6.92	3752,3753,4157	01,07,*07*
4191	48.5	− 4 9	6.8	7.62	3715,3755	09,*09*
4443	48.7	−21 43	7.3	*8.08*		. A .
13348	48.7	−31 15	6.9	6.78	3713,4074,4077	03,*10*,07
10870	48.7	−39 21	7.0	7.32	3712,4094,4098	04,*06*,02
3072	48.8	+15 34	7.8	7.53	4477,4478,4487	*01*,00,00
12968	48.8	−23 21	7.2	*7.04*		. ▲ .
4194	48.9	− 4 11	7.3	7.60	3741,3755	05,*06*
3268	49.0	− 1 27	6.5	6.21	3715,3741,4092	*10*,10,00
12151	49.0	−32 21	7.0	7.21	3713,4077,4077,	15,08,*09*,
					4097,4097	04,*15*
3074	49.1	+15 18	8.2	8.17	4477,4478,4487	12,*10*,*03*
4231	49.1	−11 38	6.5	*6.47*		. ▲ .
2925	49.2	+31 52	6.2	5.39	4091,4136,4472	18,*09*,*08*
4023	49.2	− 4 0	7.3	7.64	3715,3741	*02*,02
4374	49.2	− 6 0	5.3	5.40	3715,4455,4474	*12*,06,05
3092	49.3	+10 20	4.1	*4.24*		. *08*,07
13005	49.3	−29 7	7.5	7.75	3721,3729	00,00
13366	49.4	−31 19	7.5	7.34	4074,4077,4097	*15*,14,00
11570	49.4	−33 21	7.0	6.55	4077,4097,4098	*01*,03,*01*
11071	49.4	−37 2	7.3	7.42	3712,4094,4098	07,02,*09*
3077	49.6	+15 48	7.3	7.22	3731,3752,4477,	06,09,*03*,
					4478,4487	*17*,05
4449	49.6	−21 25	6.5	*6.83*		. ▲ .
11789	49.6	−25 23	7.4	7.44	3721,3729	*03*,03
4516	49.7	− 6 30	7.0	6.92	3715,3741,4092	*07*,07,00
1844	49.8	+54 30	7.0	*7.31*		▲ . .
13373	49.9	−31 9	7.3	7.35	4074,4077,4097	*21*,00,20
4371	50.3	−16 39	6.2	6.53	3758,4455,4474	02,*06*,03
2659	50.4	+42 58	6.8	6.74	4063,4078,4101	09,*25*,17
4378	50.4	− 5 57	7.5	7.50	3715,3741	*05*,06
12178	50.5	−32 11	7.3	7.41	3713,4074,4077	08,*13*,05
2400	50.6	+47 34	6.3	6.30	4063,4101,4462	04,01,*05*
2625	50.6	+43 56	7.3	7.68	4063,4101	04,*04*
3002	50.6	+21 8	6.0	*5.40*		. . ▲
11590	50.6	−33 6	6.0	5.73	3713,3558,3764,	15,*15*,*15*,
					3772,4094,4115,	*14*,16,06,
					4464,4470,4491	16,*01*,*10*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3258	50.7	+13 47	6.3	*6.16*		. *02*,03
4249	50.8	−22 59	5.5	5.54	4077,4458,4467	10,*06*,*05*
3156	50.9	+25 54	6.3	*6.33*		▲ . .
2633	51.0	+28 17	7.4	7.12	4114,4122	11,*12*
3266	51.0	+18 35	4.8	*5.58*		. 00,*01*
11363	51.0	−38 57	7.2	6.64	3712,4094,4098	22,*12*,11
2902	51.1	+29 12	7.3	7.30	4114,4122	16,*15*
11118	51.1	−37 50	7.5	7.29	3712,4094,4098	14,*12*,*03*
2661	51.2	+43 33	7.0	7.14	4063,4136	11,*10*
4471	51.2	−19 22	6.9	*6.14*		10, . *09*
2234	51.5	+46 41	7.0	6.71	4063,4101,4136	00,12,*13*
3072	51.5	+40 51	7.5	7.69	4091,4122	19,*19*
3082	51.6	+15 32	6.5	6.64	4477,4478,4487	*03*,*04*,07
11312	51.7	−27 27	7.5	7.52	3721,3729	00,00
3069	51.9	+16 27	7.2	7.08	3731,3752	12,*12*
4417	51.9	−10 49	6.8	6.25	3740,4455,4474	*09*,*01*,09
3318	52.0	+ 6 39	7.5	7.54	3752,3753	05,*04*
11392	52.0	−39 0	7.5	7.35	3712,4094,4098	*14*,04,09
3083	52.1	+15 48	7.2	7.61	3731,3752	14,*14*
3148	52.1	+14 18	6.5	6.88	4157,4474	00,01
11131	52.1	−37 27	6.6	6.11	3712,4094,4098	*01*,03,*03*
11396	52.3	−38 24	7.5	7.46	3712,4094,4098	05,*04*,*02*
4283	52.4	− 2 52	7.0	7.32	3741,3755,3758	*05*,*22*,27
4507	52.4	−14 14	6.9	*7.27*		▲ . .
3322	52.5	+ 6 22	7.0	*6.94*		. ▲ .
4249	52.5	−11 56	7.2	7.66	3715,3740,4136,4136,4455,4474,4476	11,23,*39*,*17*,05,02,15
3271	52.6	+18 24	7.3	7.62	3731,3752	*08*,08
605	52.7	+75 32	7.0	*7.57*		▲ . .
1713	52.7	+60 32	6.5	*7.16*		▲ . .
3298	52.9	+ 9 32	3.0	*3.48*		. . ▲
3155	53.0	+14 3	6.5	6.48	4157,4474	14,*15*
4509	58.0	−14 42	6.2	6.48	3715,3755,4455,4474	12,04,*17*,00
2407	53.4	+47 32	7.2	6.88	4063,4101,4462	01,*06*,06
3166	53.4	+25 31	6.3	*6.69*		▲ . .
2345	53.5	+50 13	6.5	6.92	3013,4063,4101	28,*10*,*18*
3088	53.5	+15 20	7.3	*7.77*		▲ . .
3095	53.6	+24 33	6.5	6.42	4114,4122	10,*11*
4631	53.6	−13 2	8.0	8.34	4136,4136	*05*,05
4421	53.6	−15 54	7.5	7.98	3715,3740	*09*,08
11152	53.7	−37 47	7.7	7.67	3712,4094,4098	11,*12*,00
12997	53.8	−24 56	6.3	6.26	3721,3729,4077	*12*,13,00
1520	53.9	+62 16	7.2	7.04	3737,3742	11,*11*
2009	53.9	+52 52	6.8	7.08	4063,4101,4136	*23*,12,10
4372	54.0	−18 5	6.7	6.54	3740,3755,4092	*06*,22,*16*
13002	54.0	−24 50	6.1	5.85	3721,3729,4076	09,*01*,*08*
11236	54.0	−35 46	6.5	6.09	3712,4094,4103	*12*,01,11
517	54.1	+79 40	6.8	6.94	4127,4136	05,*06*
3089	54.1	+15 38	6.8	6.96	3731,3752,3753	08,06,*14*
3278	54.1	− 1 32	7.3	7.46	3715,3741	03,*04*
2668	54.3	+43 50	7.3	7.56	4063,4101	06,*05*
4040	54.5	− 4 4	7.3	*7.68*		. ▲ .
4478	54.5	−21 18	7.0	7.39	4076,4077,4098	06,*11*,06
3136	54.6	+17 51	7.2	7.56	3731,3752	01,*01*
2774	54.7	+42 39	6.8	6.38	4063,4101,4136	*02*,*03*,04
3161	54.7	+14 14	6.8	*7.36*		▲ . .
13106	54.7	−.29 31	7.5	7.44	3721,3729	*13*,12
11168	54.8	−37 58	7.5	7.50	3712,4098,4103	02,*19*,16
3085	55.1	+11 5	7.5	7.33	3752,3753	06,*06*
11657	55.2	−33 13	7.1	7.11	3713,4074,4097,4103	09,*12*,*12*,14
906	55.4	+70 37	7.0	6.95	3737,3742,4127	03,*04*,02
1157	55.4	+65 17	5.3	4.88	3737,4462,4470	10,03,*14*
1521	55.4	+62 31	7.0	6.79	3737,3742,4127	02,05,*08*
3280	55.4	+17 57	7.0	7.30	3731,3752	*05*,05
4685	55.4	−17 11	7.2	7.74	3740,3755	05,*05*
4606	55.4	−20 17	7.0	*7.18*		▲ . .
13711	55.4	−30 38	7.5	7.46	3713,4074,4097,4103	14,*02*,*19*,09
13473	55.4	−32 0	5.7	5.01	3712,3729,3758,3764,3772,4074,4098,4115,4464,4491	*01*,*07*,26,*12*,00,*04*,06,11,*23*,05
4528	55.5	−13 24	7.0	6.93	3740,3755,4136,4136	19,09,*21*,*07*
1623	55.6	+61 38	7.5	7.32	3737,3742	16,*17*
3332	55.6	+ 6 44	7.0	*6.38*		. ▲ .
2352	55.7	+50 50	7.5	7.93	4063,4101	16,*16*
11391	55.7	−27 47	7.4	7.23	3721,3729	00,00
977	55.8	+67 38	6.5	6.72	3737,3742,4127	*05*,02,04
4215	55.8	− 4 4	5.8	4.92	3741,4455,4474	*07*,*04*,10
4538	55.8	− 6 53	7.3	7.49	3715,3741	*02*,02
1159	55.9	+65 11	6.7	6.50	3737,3742,4462	*11*,02,10
2733	55.9	+27 29	7.2	7.26	4114,4122	00,01
608	56.0	+75 34	6.8	6.81	4162,4462	*08*,08
4381	56.0	−18 44	6.5	6.37	3740,3755,4092	11,*05*,*05*
12276	56.0	−32 6	7.5	7.33	3712,3713,4074,4098	11,02,*10*,*02*
11462	56.1	−38 19	7.5	7.36	3712,4098,4103	07,*02*,*04*
498	56.2	+82 12	4.0	*4.36*		*04*, . 04
4539	56.2	− 6 35	7.2	7.25	3715,3741	*03*,03
11188	56.2	−37 34	7.7	7.40	3712,4094,4098	17,*18*,01
3091	56.4	+11 29	7.5	7.64	3752,3753	02,*01*
11055	56.4	−39 56	7.3	7.30	3712,4098,4103	01,*22*,21
2881	56.5	+34 29	7.5	*7.05*		▲ . .
2947	56.5	+31 4	3.5	*3.80*		. . ▲
3083	56.5	+16 45	7.2	7.24	3731,4157	07,*07*
3287	56.5	+ 7 35	7.2	*6.82*		. ▲ .

16h—17h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
3069	56.7	+39 17	7.0	7.22	4091,4122,4136	24,*08*,*15*
3045	56.7	+22 47	5.8	5.75	4122,4472,4474	*11*,09,02
639	56.8	+77 0	7.2	7.19	3737,3742	15,*15*
3022	56.8	+21 39	7.3	7.02	4114,4122	06,*06*
13502	56.8	−31 28	7.1	6.88	3713,4074,4077	04,*12*,08
11830	56.9	−26 57	7.4	7.48	3721,3729,4076	01,*03*,02
3095	57.0	+15 5	6.2	6.21	3731,4474,4476	*04*,07,*03*
11201	57.0	−38 0	6.5	6.05	3712,4094,4467	09,*17*,09
3071	57.1	+39 3	7.3	7.20	4091,4122	*02*,02
2738	57.1	+27 21	6.5	6.37	4114,4122,4136	06,*02*,*03*
3337	57.2	+ 8 36	6.5	*6.24*		. *09*,08
11206	57.2	−37 42	7.1	6.68	3712,4098,4103	01,*11*,09
4269	57.3	−23 0	7.5	7.68	4076,4077	*15*,15
13050	57.4	−24 6	7.3	7.26	3729,4076	01,*01*
1934	57.5	+56 50	6.0	5.96	3750,4101,4136	*09*,06,04
2419	57.6	+47 1	7.5	8.44	4063,4101	11,*10*
2480	57.6	+45 56	7.2	7.54	4063,4101	*05*,04
4542	57.6	− 6 12	7.2	7.36	3715,3741	03,*04*
2574	57.7	+49 37	7.3	*8.47*		A . .
1910	57.8	+53 12	7.5	7.70	3750,4063	*22*,21
3126	57.8	+ 9 58	7.2	6.90	4157,4474	17,*17*
11915	57.8	−25 33	6.8	*6.69*		. A .
2817	57.9	+33 43	5.1	*5.27*		. . A
4438	57.9	−15 43	7.5	7.96	3740,3755	10,*11*
3182	58.0	+25 10	7.5	*7.91*		A . .
1689	58.2	+58 36	6.3	6.72	3750,4063,4101	04,00,*03*
3183	58.2	+25 40	6.0	5.93	4114,4472,4474	06,*01*,*05*
3217	58.2	+19 33	7.0	*7.15*		A . .
12769	58.2	−28 26	6.7	6.67	3721,3729,4077	*04*,03,01
11706	58.2	−33 59	5.5	4.87	3764,4074,4115, 4464,4479	*11*,02,33, *15*,*11*
751	58.3	+73 17	6.0	6.21	3354,3731,3737, 3738,3742,3750, 3753,3755,3758, 3764,3766,3771, 3772,3774,3775, 3776,3780,4078, 4097,4101,4111, 4113,4115,4122, 4127,4456,4462, 4464,4467,4471, 4472,4474,4476, 4479,4486,4487, 4491,4507	*06*,12,21, *05*,07,*04*, 04,*02*,09, T,*09*,18, 16,*03*,*27*, *17*,*16*,*11*, 10,*08*,*05*, 32,01,01, *10*,*14*,*02*, 03,*31*,09, *04*,*02*,04, 01,12,15, *20*,24
3382	58.3	+20 52	7.4	7.08	4114,4122	01,*02*
3178	58.3	+14 50	8.0	*8.49*		A . .
13070	58.3	−24 6	7.4	7.42	3729,4076	08,*09*
13531	58.3	−31 13	7.2	7.34	3713,4074,4097, 4103	13,*18*,*12*, 18
2783	58.4	+42 52	7.3	7.30	4063,4101	*07*,07
13078	58.4	−23 15	7.1	7.84	4076,4077	*01*,00
2835	58.5	+32 2	7.4	*6.34*		. . A
11924	58.5	−25 30	6.7	*6.76*		. A .
2924	58.6	+29 26	7.5	*7.51*		A . .
3179	58.6	+14 14	4.8	*5.10*		. . A
3624	58.6	0 0	6.8	6.70	4157,4470	06,*06*
4700	58.6	−17 21	7.0	7.16	3740,3755	*02*,02
3180	58.7	+14 41	6.5	6.56	4157,4470	02,*02*
695	58.8	+74 27	7.2	*7.17*		A . .
3031	58.8	+21 43	7.5	7.40	4114,4122	04,*05*
2018	58.9	+52 44	6.8	6.74	3750,4063,4101	*22*,37,*14*
4655	58.9	−12 32	6.8	6.99	3740,3755,4092, 4474	01,*05*,*02*, 07
4627	58.9	−20 21	6.5	*6.17*		*04*, . 04
4436	59.0	−10 57	7.0	7.08	3740,3755	00,*01*
11217	59.0	−36 36	7.5	7.67	3712,4067,4098	20,03,*23*
3090	59.1	+40 12	7.5	*7.87*		A . .
3292	59.1	+13 44	6.4	*5.68*		. . A
4392	59.1	− 7 34	7.3	8.04	3715,3741	01,00
2888	59.4	+34 40	7.5	*7.67*		A . .
3295	59.4	+13 42	6.6	*6.15*		. . A
4505	59.5	−21 56	6.9	*7.16*		. A .
3218	59.6	+19 50	6.2	*6.57*		23, . *23*
11274	59.6	−37 5	6.5	6.13	3712,4067,4098	06,23,*28*
11113	59.6	−39 10	7.2	8.00	3712,4067,4098	10,*09*,*01*
884	59.7	+69 20	6.5	6.39	4101,4462	*08*,08
908	59.7	+68 48	7.5	7.32	3737,3742	03,*03*
2358	59.7	+50 27	7.1	*7.42*		. . A
2579	59.7	+49 45	6.8	*7.17*		A . .
12800	59.7	−28 44	7.5	7.39	3721,3729	10,*10*
2019	59.8	+52 5	7.5	7.58	3750,4063	01,*01*
2420	59.8	+47 11	6.6	6.74	3771,4063,4101	07,04,*11*
2889	59.8	+34 31	7.0	*6.74*		A . .
4225	59.8	− 4 54	7.5	*7.90*		A . .
4508	59.8	−21 8	7.2	*7.49*		. A .
11880	59.8	−26 26	7.2	7.48	3721,3729,4077	31,*04*,*28*
1693	59.9	+58 42	7.0	7.18	3750,4063,4101	*09*,19,*09*
2911	59.9	+35 33	6.5	*6.75*		A . .
11306	59.9	−35 19	6.7	6.28	3712,4067,4098	04,11,*15*
2785	0.0	+41 6	7.5	7.78	4063,4101,4136	*08*,*06*,14
4705	0.0	−17 59	7.5	7.63	3740,3755	12,*12*
11310	0.0	−35 56	7.5	7.26	4067,4098,4102	11,*08*,*03*
1728	0.1	+60 47	6.5	6.24	3762,3771,4462	05,02,*07*
13197	0.1	−30 1	7.4	7.47	3713,4097,4098	03,03,*06*
2161	0.2	+51 8	7.3	7.72	3762,3771	16,*16*
3629	0.2	+ 0 49	6.8	*5.94*		05, . *06*
4512	0.2	−21 25	6.0	*6.29*		. 13,*13*
2890	0.3	+34 56	6.2	6.03	3771,4115,4472	04,08,*11*
3220	0.4	+19 45	6.0	*6.16*		04, . *03*
3338	0.4	+ 3 34	7.3	7.22	3752,3753	05,*06*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3224	0.4	− 0 45	5.8	5.47	3715,3755,4455	*06*,*17*,22
11896	0.6	−26 22	6.6	6.20	3721,3729,4077	*13*,*15*,28
3142	0.7	+12 53	4.5	*4.93*		. 02,*02*
2257	0.8	+46 8	7.5	8.04	3771,3775	*09*,08
2661	0.8	+28 14	7.3	7.20	3776,4114	14,*15*
4662	0.8	−12 16	7.3	7.84	3755,3764	12,*12*
4543	0.8	−13 48	7.3	7.35	3755,3764	*16*,16
573	0.9	+78 5	7.0	7.39	3737,3742,4462	*02*,*14*,17
641	0.9	+77 48	6.5	6.66	3737,3742,4462, 4470,4478	14,*03*,09, *09*,*13*
13818	1.3	−30 56	7.3	7.08	4097,4098,4102	*08*,*05*,14
3322	1.4	+ 9 53	6.8	6.56	4157,4158	*06*,05
3347	1.4	+ 8 45	7.0	7.02	3752,3753	03,*02*
3142	1.5	+10 35	6.8	6.38	4157,4158	*01*,02
1170	1.6	+64 45	6.5	6.12	4101,4462,4470	*03*,08,*06*
11503	1.6	−34 52	7.2	7.05	4097,4098,4102	*08*,12,*05*
3108	1.7	+15 22	7.0	*7.34*		▲ . .
3292	1.7	− 1 31	6.3	*6.27*		. . ▲
13119	1.8	−24 52	7.5	7.18	3729,4098	05,*06*
11145	1.8	−39 12	7.8	7.53	3741,4067,4067, 4097,4097,4102, 4467,4476,4477	23,39,14, 00,*29*,*07*, *09*,05,*34*
4304	1.9	− 2 44	7.8	7.82	3741,4092	*05*,04
13222	1.9	−29 55	7.5	7.28	3721,3729	*10*,10
2652	2.0	+43 57	6.5	6.34	3775,4101,4462	11,*18*,08
2583	2.1	+48 57	5.8	6.29	3762,4063,4462	*09*,*04*,12
3073	2.1	+22 13	6.0	5.64	3776,4114,4472	*01*,*08*,09
2426	2.3	+47 6	7.5	8.08	3762,3771	07,*08*
4717	2.4	−17 29	6.2	6.16	3758,3764,3766	*06*,03,02
13840	2.4	−30 16	6.2	5.82	3731,3753,4115, 4464,4479	07,13,01, *18*,*04*
754	2.5	+73 20	7.0	7.45	3737,3742	06,*06*
2260	2.6	+46 29	6.8	7.48	3762,3771	*13*,12
4304	2.9	−11 54	7.1	7.61	3755,3764	*01*,01
2917	3.1	+35 27	7.4	7.19	4091,4115	05,*05*
3230	3.1	− 0 57	6.2	5.98	3755,4158,4455	*06*,04,03
4670	3.1	−13 0	7.5	7.64	3764,3766	*02*,02
1857	3.2	+54 36	4.8	*4.93*		. . ▲
755	3.4	+73 27	7.2	7.70	3737,3742	09,*08*
3386	3.4	+ 4 32	7.0	*7.25*		▲ . .
R	3.5	−44 26	. .	5.33	3713,4464,4478	02,00,*02*
612	3.6	+75 21	6.5	6.94	4101,4462	01,00
4063	3.6	− 3 45	6.7	6.45	3715,3741,4092, 4158,4164,4455, 4474,4476	R,*11*,*26*, 15,19,01, 00,02
3102	3.7	+16 18	6.5	6.67	3731,3752,4157	*08*,24,*15*
13859	3.7	−30 42	7.5	7.77	4467,4476,4477	00,00,00
1944	3.8	+56 16	7.0	7.21	3750,3762	02,*02*
11500	3.9	−27 39	7.5	7.70	3721,3729	10,*10*
4655	4.1	−20 33	7.3	*7.72*		▲ . .
822	4.2	+71 12	7.5	7.64	3737,3742	*02*,03
2852	4.2	+32 14	7.2	7.20	4091,4115	04,*05*
2967	4.2	+31 20	6.8	*6.61*		. . ▲
4445	4.3	−10 23	6.1	*5.57*		03, . *03*
2677	4.4	+28 23	7.0	6.99	3776,4114,4115	*05*,*05*,09
3118	4.4	+15 5	7.3	*7.14*		▲ . .
4547	4.4	−19 19	7.0	6.86	3740,3764,4092	*09*,05,04
3108	4.5	+40 39	6.2	*6.26*		16, . *16*
2827	4.5	+36 4	5.5	*5.23*		. . ▲
3127	4.5	+24 37	6.5	*6.82*		▲ . .
4467	4.6	−15 36	2	*2.64*		*19*,22,*04*
2481	4.7	+48 32	6.3	6.85	3762,3771,4063	*05*,*07*,12
568	4.8	+81 1	7.3	*6.73*		▲ . .
618	4.8	+75 26	5.8	6.14	3742,4101,4462	*04*,*09*,13
12429	4.8	−32 12	7.5	8.22	4097,4098,4102	*04*,*14*,19
2922	4.9	+35 9	7.1	*6.77*		▲ . .
3153	4.9	+10 10	7.5	*7.02*		00,00, .
R	5.0	−43 6	. .	3.32	3713,3731,3753, 4479	12,07,*33*, 14
1735	5.1	+60 46	7.5	8.03	3750,3762	*08*,08
4678	5.1	−12 34	6.2	6.62	3764,3766,4092	*03*,06,*02*
2835	5.2	+33 26	7.5	7.60	4091,4113	*20*,21
3086	5.2	+22 13	7.3	*6.91*		. . ▲
3649	5.2	+ 0 37	7.0	*6.85*		. . ▲
4659	5.2	−20 31	7.3	*7.07*		▲ . .
580	5.3	+78 16	7.0	7.24	3737,3742	*11*,11
4434	5.3	−16 31	7.5	*7.41*		. 18,*18*
11182	5.3	−39 23	5.9	5.61	3731,3753,4067, 4102,4479,4487	11,*15*,30, *03*,*04*,*18*
11632	5.4	−38 42	6.8	6.56	4067,4098,4102	06,*17*,10
4661	5.5	−20 18	7.5	*7.43*		▲ . .
1698	5.6	+58 23	6.7	7.29	3750,3762,3771	*12*,06,07
4436	5.7	−16 22	7.3	*7.47*		. 17,*17*
2178	5.8	+50 58	6.5	6.30	4063,4462,4471, 4477	21,*07*,*07*, *08*
1912	5.9	+55 53	6.7	7.03	4063,4101	16,*16*
2963	5.9	+26 34	7.2	7.00	3776,4113,4114	*09*,32,*22*
2840	6.0	+33 29	7.2	7.54	4091,4113	*04*,03
11990	6.0	−26 55	7.0	6.84	3721,3729,4098	09,11,*21*
3161	6.1	+12 35	7.0	*6.46*		. ▲ .
12018	6.1	−25 8	6.6	6.32	3721,3729,4098	*09*,11,*03*
11516	6.2	−27 38	6.3	6.10	3721,3729,4098	*10*,01,09
3109	6.3	+40 54	5.2	*5.13*		. . ▲
4565	6.3	−14 30	6.8	*7.26*		▲ . .
11383	6.3	−37 50	6.9	6.68	4067,4098,4102	*02*,*15*,17
3349	6.4	+ 4 48	7.1	6.68	4157,4158	15,*15*
4243	6.4	− 4 32	7.3	7.68	3715,3741	*03*,03
12460	6.5	−32 19	6.3	5.92	4097,4098,4103	03,*09*,06
4544	6.7	−21 30	6.8	6.85	4076,4098	01,*01*
1326	6.8	+63 35	7.5	7.76	3737,3742	13,*13*

17ʰ

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3367	6.9	+ 8 1	6.2	*6.39*		. 13,*13*
1640	7.0	+61 17	6.8	*6.69*		. . ▲
3140	7.0	+24 21	6.2	6.17	3776,4113,4472	02,16,*18*
2862	7.1	+32 18	7.0	7.46	4113,4115	06,*06*
2977	7.1	+31 18	7.5	*7.53*		. . ▲
11663	7.1	−38 11	7.0	6.60	4067,4098,4102,4103	*04*,12,20,*28*
3141	7.2	+24 23	7.2	7.04	3776,4113,4114	*07*,02,06
3201	7.5	+14 37	7.3	*7.39*		▲ . .
11212	7.5	−39 39	7.0	6.81	4067,4098	06,*06*
3063	7.8	+21 21	7.5	7.16	3776,4113,4472,4476	12, R,03,*14*
3165	7.8	+10 42	5.8	5.57	3752,4157,4470	15,*08*,*06*
3654	7.8	+ 0 29	7.0	6.53	3753,4157,4470	17,*03*,*13*
11527	7.8	−27 41	7.0	6.61	3721,3729,4098	*03*,*07*,11
2273	7.9	+46 41	7.3	7.64	3762,3771	04,*03*
4488	7.9	−15 27	7.0	6.56	4092,4158	06,*06*
12012	8.1	−26 52	7.0	*6.88*		. ▲ .
2032	8.2	+52 32	6.0	6.13	3771,4462,4471,4477	*15*,10,*13*,17
3323	8.2	+18 28	7.5	8.10	3731,3752	04,*03*
3321	8.2	+ 7 51	7.3	6.83	3752,3753,4157	03,*10*,06
4519	8.2	− 9 10	7.3	7.50	3715,3741	*03*,04
1170	8.5	+65 50	3.0	3.20	3354,3712,3729,3731,3738,3742,3750,3753,3755,3758,3764,3774,3775,3776,3780,4074,4077,4097,4101,4102,4103,4111,4113,4114,4136,4455,4456,4464,4471,4472,4474,4479,4487,4491,4491,4493,4504,4506,4507,4517,4522	*02*,*24*,18,*07*,26,*23*,03,*11*,41,09,*06*,*14*,*24*,*30*,*08*,28,00, T,*22*,*12*,*05*,*24*,*31*,26,*02*,01,41,*08*,*03*,*07*,*13*,*11*,*11*,*01*,38,*16*,*08*,13,19,09,43
11680	8.5	−38 6	7.1	6.66	4067,4098,4102	*06*,00,06
2804	8.6	+41 53	6.8	6.87	3762,3771,4063	*01*,*01*,08
11875	8.7	−33 26	5.8	5.38	3731,3753,4097,4098,4479,4487	*01*,05,*07*,06, R,*01*
2504	8.8	+45 28	6.3	6.88	4063,4101	05,*06*
11686	8.8	−38 28	6.4	6.09	4067,4098,4102	*02*,01,01
2187	9.0	+51 53	7.2	*7.03*		. . A
12517	9.0	−32 59	7.3	7.96	4097,4097,4098,4102	*21*,*08*,05,22
11590	9.0	−34 14	7.9	7.78	4097,4098,4102	05,*16*,12
2604	9.1	+49 53	6.2	6.10	3762,4163,4462,4477,4478	*19*,49,*14*,*09*,*09*
4079	9.1	− 4 2	7.2	7.72	3715,3741	06,*07*
616	9.2	+75 15	7.0	*7.22*		▲ . .
12026	9.2	−26 27	4.9	4.64	3721,4456,4467	02,02,*05*
11887	9.2	−33 37	6.9	6.51	4097,4098,4102	*10*,14,*03*
1954	9.3	+56 47	7.5	7.11	3750,3762	*05*,*05*
3103	9.3	+22 53	7.3	7.96	3776,4113	*26*,25
4252	9.3	− 4 22	7.4	8.31	3715,3741	07,*07*
2702	9.4	+43 51	6.8	7.30	3762,3771	*05*,04
3070	9.4	+21 34	6.5	6.93	3776,4113,4114,4474	*06*,18,*05*,*07*
3176	9.5	+12 10	7.0	7.15	3752,3753	03,*03*
13968	9.5	−30 6	6.5	6.10	3721,4097,4098	*04*,09,*04*
4321	9.7	− 2 28	7.5	8.28	3715,3741	02,*01*
4585	9.7	−14 28	6.4	*6.15*		06, . *06*
11426	9.7	−35 38	6.1	6.16	3715,3753,4067,4098,4487	18,*22*,10,*09*,05
3196	9.8	+17 12	7.5	7.88	3731,3752	08,*09*
768	10.1	+72 16	7.3	*7.58*		. . ▲
3091	10.1	+39 7	7.2	7.17	4091,4113	02,*02*
3207	10.1	+14 30	var.	*3.40*		. . A
4462	10.1	−10 11	7.5	*7.26*		▲ . .
12036	10.1	−26 24	6.8	*6.66*		. ▲ .
11270	10.1	−39 19	7.3	7.23	4067,4102,4456	*10*,15,*04*
4525	10.2	− 9 42	7.0	*7.06*		▲ . .
1707	10.3	+58 5	7.0	7.26	3750,3762	*15*,15
4460	10.3	−16 4	7.5	7.54	3740,3766	*04*,05
12058	10.3	−25 12	7.3	7.23	3721,3729	01,*01*
2811	10.4	+42 15	7.3	7.74	3762,3771	06,*07*
4559	10.4	−21 44	7.0	7.50	4102,4456,4467	03,*02*,*02*
2980	10.5	+26 11	6.8	6.95	3776,4113,4114	02,18,*21*
13986	10.5	−30 15	7.4	7.18	3721,4097,4098	*05*,03,03
12545	10.5	−32 33	5.9	5.57	4102,4456,4467,4487	*22*,*02*,05,20
2509	10.6	+45 30	7.2	7.44	3762,3771	*05*,04
4502	10.6	−15 6	7.0	6.74	4092,4158	05,*05*
3264	10.7	+19 50	6.8	*7.35*		A . .
3201	10.7	+17 55	7.0	7.48	3731,3752	02,*03*
1869	10.9	+54 16	7.0	7.02	3762,3771,4063	*08*,*06*,15
3221	10.9	+24 57	3.0	3.18	4115,4472,4474	03,*17*,14
4759	10.9	−17 48	7.2	7.42	3740,3766	*08*,07
13996	11.0	−30 3	7.3	6.98	3721,4097,4098	07,*12*,04
3288	11.2	+ 2 18	6.5	*5.95*		. . A
11288	11.2	−39 35	7.3	7.18	4067,4102,4456,4467	*07*,12,*08*,05
4575	11.3	− 6 8	5.8	6.18	3715,3772,4455	04,*10*,05
4704	11.3	−12 59	7.0	7.47	3766,3772	05,*05*
11730	11.3	−38 3	7.2	6.71	4067,4098,4102	*02*,06,*03*
3255	11.5	− 0 20	4.8	4.82	3776,3776,3776,4506,4506	*20*,*04*,06,02,18
12048	11.5	−26 31	7.4	*6.90*		. A .
1921	11.6	+55 35	7.4	7.50	3750,3762	*02*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2511	11.6	+45 18	8.0	7.98	4506,4506	12,*12*
2844	11.6	+36 55	3.0	3.40	4113,4472,4474	13,*15*,01
3070	11.6	+23 52	7.0	6.10	3776,4113,4114	*09*,05,03
1336	11.7	+62 59	5.8	5.45	3737,3742,4462,	14,*22*,08
12573	11.8	−32 27	6.9	6.38	3721,4097,4098	*03*,*12*,15
13255	11.9	−24 11	5.5	*5.13*		. 06,*06*
2928	12.0	+34 49	7.0	7.07	4091,4113	*09*,09
2780	12.0	+27 16	6.8	6.75	3776,4113,4114	*29*,12,16
13297	12.0	−23 58	6.9	6.70	4102,4165,4456	*02*,17,*15*
13363	12.0	−29 46	7.5	7.64	3721,3729	*03*,04
3336	12.1	+18 8	7.5	6.92	3752,3753,4157	19,*13*,*07*
11952	12.1	−33 20	7.5	7.61	4102,4456,4456, 4467,4476,4477	04, R,*10*, *02*,*04*,10
11626	12.1	−34 53	6.1	5.94	3715,3731,3742, 3753,4101,4456, 4487	14,*05*,*13*, *08*,*10*,20, 00
4707	12.2	−12 12	7.0	8.18	3715,3766,4506, 4506	12,*06*,12, *16*
3147	12.5	+15 56	7.1	7.44	3752,3753	08,*07*
11462	12.5	−37 15	7.5	7.98	4067,4102,4102	*17*,24,*06*
2812	12.6	+41 47	7.0	7.70	3762,3771	05,*04*
3341	12.6	+13 14	7.2	6.80	3752,3753,4157	09,02,*12*
3411	12.6	+ 1 52	6.8	6.74	3354,4157,4470	*05*,*02*,07
4511	12.6	−15 41	7.5	7.18	3740,3766	11,*10*
4470	12.6	−16 12	6.5	6.55	3740,3766,4092	19,04,*22*
13838	12.8	−31 16	7.3	6.96	3721,4097,4102	*09*,13,*05*
4513	12.9	−15 55	7.5	7.34	3740,3766	00,01
3379	13.0	+ 8 15	7.0	6.78	3354,3752,4157	01,03,*04*
2994	13.1	+26 0	7.5	7.06	3776,4114,4115	*08*,05,03
4470	13.2	−10 6	7.3	*7.81*		A . .
4514	13.3	−15 6	7.5	*7.76*		A . .
3074	13.4	+23 13	6.5	6.53	3776,4114,4115	04,*04*,00
3213	13.5	+17 13	7.5	7.14	3354,3752	*08*,08
3098	13.6	+39 35	7.0	*7.37*		A . .
4330	13.6	− 2 42	6.1	6.54	3715,3741,4455	05,*18*,13
4341	13.6	−11 53	7.4	7.87	3766,3772	03,*03*
4489	13.6	−18 51	7.5	7.91	3740,3766	09,*09*
1338	13.7	+63 28	7.5	7.36	3737,3742	01,00
2993	13.7	+31 37	7.5	7.20	4091,4115	23,*24*
2978	13.7	+29 2	7.0	*7.07*		. . A
3216	13.7	+17 26	6.0	5.90	3752,4157,4470	15,*11*,*03*
3125	13.9	+40 4	7.2	*7.57*		A . .
3156	13.9	+10 58	5.0	*5.20*		. 03,*04*
11487	13.9	−37 55	7.3	6.98	4067,4102,4456	*15*,27,*12*
617	14.0	+75 13	7.5	*7.82*		A . .
3386	14.0	+ 6 11	7.0	*6.44*		. A .
2711	14.1	+43 14	neb.	*7.70*		. . A
4332	14.1	− 2 39	7.0	7.30	3715,3741	16,*15*
4773	14.1	−17 39	6.0	6.03	3740,4158,4455	*04*,03,01
13411	14.1	−29 16	7.1	6.78	3721,3729,4102	11,00,*10*
2864	14.2	+37 24	4.5	*4.67*		. . A
2614	14.3	+49 48	7.2	7.56	3742,3752,3752, 3766,3771,3771, 3772	*09*,11,19, *16*,07,*01*, *08*
2849	14.3	+36 13	7.5	7.54	4091,4115	06,*07*
2043	14.4	+52 53	7.5	7.53	3762,3771	10,*10*
3239	14.4	+25 54	7.2	6.77	3776,4114,4115	*01*,*01*,02
12081	14.4	−26 27	7.2	7.08	3721,3729	04,*05*
3157	14.6	+11 17	7.3	7.68	3354,3752	05,*04*
4087	14.6	− 3 57	7.3	7.75	3715,3741	*03*,03
4426	14.6	− 5 49	6.5	6.30	4092,4158	*04*,05
4605	14.7	−19 14	6.5	6.60	4092,4158	*03*,02
3296	14.8	+ 2 14	7.0	6.91	3752,3753,4157	27,*07*,*21*
1742	14.9	+60 49	6.7	*6.73*		A . .
2719	14.9	+28 55	5.8	*5.62*		. . A
11598	14.9	−27 19	7.4	7.48	3721,3729	05,*04*
13896	14.9	−31 29	7.5	7.47	3721,4097,4102	02,14,*17*
2910	15.0	+38 55	6.0	6.08	4091,4136,4472, 4506,4506	12,*17*,05, R, R
4731	15.0	−21 1	5.0	*4.44*		*05*, . 05
3281	15.2	+19 29	7.3	*7.70*		A . .
4722	15.2	−12 45	4.5	4.30	3766,4158,4455	06,*02*,*04*
997	15.3	+67 30	7.3	7.52	3737,3742	19,*19*
1743	15.3	+60 46	6.3	6.55	3750,3762,4462	04,*04*,01
2790	15.4	+27 23	7.1	7.06	3776,4114	09,*10*
4477	15.4	−10 36	6.7	6.34	4092,4158	11,*11*
2722	15.5	+28 7	7.1	7.02	3776,4114,4115	02,*07*,04
3151	15.5	+15 59	7.4	7.47	3354,3752	*01*,01
13288	15.5	−24 49	6.8	*6.69*		. A .
4354	15.6	−11 57	7.3	7.49	3766,3772	*01*,01
13913	15.8	−31 30	7.5	7.53	3721,4097,4102	*06*,19,*13*
11507	15.8	−37 43	6.9	6.27	4067,4102,4456	01,16,*17*
11801	15.8	−38 7	7.5	7.33	4067,4102,4456	*01*,12,*10*
3351	15.9	+18 10	5.5	*5.22*		. . A
13292	15.9	−24 54	3.6	*3.28*		. 06,*07*
11505	15.9	−35 49	6.7	6.32	4067,4102,4456	*07*,*01*,09
3163	16.0	+15 16	7.2	*7.24*		A . .
4742	16.0	−20 28	7.3	*7.12*		A . .
3246	16.1	+25 37	6.0	*5.28*		. . A
3398	16.1	+ 4 44	7.5	*7.35*		A . .
3421	16.1	+ 1 32	7.2	6.96	3752,3753,4157	03,*02*,00
11512	16.1	−37 8	6.5	6.07	4067,4102,4456, 4467	*06*,10, R, *03*
3100	16.5	+21 39	7.2	6.95	3776,4114,4115	*08*,*08*,15
3167	16.8	+24 36	6.0	*4.92*		. . A
2896	16.9	+32 36	5.7	5.31	4115,4122,4472	06,*07*,02
1191	17.0	+64 7	7.5	7.18	3737,3742	10,*11*
2521	17.0	+45 23	6.5	6.58	4063,4101	21,*21*
13308	17.0	−25 0	7.4	7.27	3729,4165	*06*,06
13081	17.0	−28 2	5.8	*5.43*		. 04,*04*

17^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	17.0	−44 4	. .	5.09	3713,3715,4101, 4478,4487	R, R,09, 05,*13*
2898	17.1	+32 47	7.0	6.83	4115,4122,4472	*11*,01,11
3163	17.1	+16 50	6.5	6.59	3354,3752,4157	07,*05*,*02*
3372	17.1	+ 9 50	7.2	*7.47*		A . .
3378	17.1	+ 5 7	6.8	6.57	4157,4158	*11*,11
13945	17.1	−31 37	7.5	7.62	3721,4097,4467	*19*,*01*,20
4336	17.2	−22 55	7.2	7.42	4165,4467	01,00
3166	17.3	+11 47	7.2	7.08	3354,3752	05,*04*
2293	17.5	+46 20	5.5	5.85	3775,4462,4477	16,*04*,*13*
2695	17.5	+44 18	6.5	7.06	4063,4101	00,01
3004	17.5	+31 21	7.5	6.85	4115,4122,4472	08,*04*,*03*
11665	17.5	−34 42	7.3	6.98	3721,4097,4456	*04*,04,01
4343	17.6	− 2 18	6.3	6.30	3715,3741,4092	09,*07*,*03*
4589	17.6	− 7 1	7.0	6.96	3715,3741,4092	*01*,*12*,13
2728	17.7	+28 51	6.5	6.33	3776,4114,4115	11,*04*,*06*
835	17.8	+71 53	6.8	6.81	3737,3738,4101	15,*08*,*06*
2506	17.8	+48 17	6.5	6.30	3771,4101,4462	07,*24*,17
3103	17.8	+21 15	7.0	7.07	3776,4114,4115	*01*,00,00
3375	17.8	+ 9 50	8.6	*8.92*		A . .
4534	17.8	−15 57	6.7	6.58	4092,4158	05,*05*
12023	17.8	−33 9	7.5	7.69	4097,4456,4467	*12*,*04*,15
3171	17.9	+15 16	7.0	*7.69*		A . .
13366	17.9	−23 45	7.2	6.72	4076,4077,4165	*07*,*09*,16
1539	18.0	+62 39	7.5	7.38	3737,3738	*01*,00
3678	18.0	+ 0 56	7.3	*7.84*		20, . *21*
1974	18.2	+56 2	7.5	7.88	3750,3762	*02*,02
3378	18.2	+ 9 28	7.9	*7.82*		A . .
1343	18.3	+63 50	7.3	7.22	3737,3738	10,*10*
2833	18.3	+42 19	7.5	7.60	3771,3775	01,00
3252	18.3	+24 59	7.7	6.70	4122,4136	12,*12*
4346	18.3	− 3 2	7.4	7.58	3715,3741	01,00
2295	18.4	+46 13	7.3	7.62	3771,3775	*02*,03
3136	18.4	+40 5	5.2	5.72	4091,4472,4474	08,*06*,*01*
11674	18.4	−34 37	6.3	6.23	3721,4097,4170	01,*03*,01
3381	18.5	+ 9 34	7.5	*7.07*		A . .
4546	18.5	− 9 16	7.0	7.77	3715,3741	*10*,10
11676	18.6	−34 29	7.6	7.13	3721,4097,4170	*19*,*07*,25
11677	18.6	−34 21	7.2	6.90	3721,4097,4170	*04*,*10*,14
4597	18.7	−21 21	6.5	5.86	4076,4077,4467	*10*,*04*,14
11679	18.7	−34 10	7.4	7.14	3721,4097,4170	*19*,*13*,31
4516	18.8	−18 22	6.3	6.29	3740,3766,4092	05,06,*12*
3232	19.0	+17 0	7.5	7.59	3354,3752	17,*17*
13325	19.0	−24 10	7.1	*6.26*		. A .
654	19.1	+77 27	7.5	7.92	3738,3742	*04*,03
3362	19.1	+13 30	7.2	7.42	3354,3752	*06*,06
13510	19.1	−29 35	7.2	6.74	3721,3729,4165	06,*03*,*02*
3404	19.2	+ 8 43	7.5	7.35	3354,3752	R, A
3405	19.2	+ 8 56	6.2	5.84	3753,3755,3758	*11*,*03*,14
R	19.4	−45 46	. .	5.76	3713,3713	*10*,11

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1937	19.6	+53 31	6.0	*5.93*		. . A
3408	19.6	+ 6 37	7.5	7.83	3753,3755	04,*04*
3363	19.7	+18 56	7.5	7.48	3354,3752,3753	*02*,15,*12*
11494	19.7	−37 2	7.5	7.48	4067,4467,4476, 4477	*16*, R,10, 05
11874	19.7	−38 15	7.5	7.54	4067,4476,4477	*05*,*02*,08
3100	19.9	+23 3	5.8	*5.64*		. . A
11652	19.9	−27 31	7.5	7.42	3721,3729	02,*03*
3174	20.0	+16 25	5.5	5.57	3354,3753,4157, 4470	19,*17*,*07*, 04
3179	20.0	+15 43	6.2	*6.34*		15, . *15*
4437	20.0	− 8 45	6.8	7.02	3715,3741	10,*09*
13136	20.0	−28 20	7.3	7.31	3721,3729	*02*,02
925	20.2	+70 53	7.0	7.00	3737,3738,4101	07,*06*,*02*
2468	20.2	+47 16	7.5	8.04	3771,3775	*11*,11
2878	20.2	+37 14	4.0	4.23	3781,4111,4115	14,*14*,*01*
14029	20.2	−31 56	7.3	7.45	4077,4097,4456	*19*,07,11
13337	20.3	−24 5	4.5	4.08	4097,4476,4477	R,03,*02*
1176	20.4	+65 45	7.5	7.62	3737,3738	05,*05*
3388	20.5	+ 9 0	7.4	6.86	3755,3758,4157	01,*08*,07
3404	20.5	+ 3 24	7.5	7.36	3755,3758	*04*,04
4438	20.5	− 8 35	7.5	7.83	3715,3741	00,00
4592	20.6	− 6 30	7.0	6.85	3741,3766,4092	*03*,01,03
2928	20.7	+38 41	6.7	*6.47*		. . A
3329	20.7	− 1 32	6.7	6.31	3741,3758,3766	07,*09*,02
4493	20.7	−10 55	7.5	7.43	3766,3772	16,*16*
4607	20.7	−21 23	7.5	*7.63*		. A .
12160	20.7	−25 52	6.5	6.32	3721,3729,4076	*04*,10,*07*
12141	20.7	−26 15	7.3	7.37	3721,3729	08,*08*
910	20.9	+69 51	7.0	*7.14*		A . .
1013	20.9	+66 39	7.0	7.03	3737,3738	02,*02*
11589	20.9	−37 6	7.1	6.67	4067,4456,4467	03,*19*,15
2469	21.0	+47 21	7.4	7.80	3771,3775	*18*,18
2882	21.0	+37 2	6.8	6.48	3781,4091,4111, 4115	05,24,*17*, *13*
2911	21.0	+32 45	7.0	6.86	3781,4091,4115	*05*,08,*02*
13161	21.0	−28 42	7.5	7.60	3729,4076	10,*10*
13557	21.0	−29 47	4.6	4.29	3721,3729,4122	*10*,12,*03*
3183	21.2	+16 29	6.5	6.69	3354,3753,4470, 4474,4476	07,*07*,01, *11*,08
4275	21.3	− 5 0	4.8	4.69	3715,3772,4455	20,02,*23*
13563	21.3	−29 39	6.7	5.92	3721,3729,4076, 4122	*19*,12,15, *07*
3241	21.4	+17 0	6.2	*6.29*		. . A
4750	21.4	−12 26	6.3	*6.28*		. . A
4554	21.4	−15 47	7.0	6.62	3740,3766,4092	08,14,*21*
3368	21.5	+ 7 41	6.5	*5.96*		. *01*,02
3690	21.5	+ 0 55	7.2	*6.99*		05, . *05*
3422	21.6	+ 4 14	4.0	*4.44*		. 06,*05*
1758	21.7	+57 5	6.3	6.55	3750,3762,4063	*03*,*02*,05

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
911	22.0	+69 55	7.2	*7.39*		A . .
2400	22.0	+50 31	6.8	*7.87*		A . .
2809	22.0	+26 57	6.5	6.36	3776,3781,4114	*11*,27,*15*
13185	22.1	−28 58	7.6	7.56	3721,3729	01,*02*
2402	22.2	+50 47	7.0	7.58	3750,3762	02,*02*
11546	22.2	−36 41	6.6	6.06	4067,4170,4467	*04*,03,02
3012	22.3	+29 33	7.2	*7.61*		A . .
12179	22.4	−25 25	7.3	7.05	3721,3729	*02*,02
1658	22.5	+61 6	7.0	7.21	3737,3738	*07*,07
3481	22.5	+20 10	5.7	5.43	3776,4115,4472	05,*11*,06
11927	22.5	−38 26	6.9	6.28	4067,4170,4467	*24*,25,*01*
4444	22.6	− 8 7	6.2	*6.31*		. . A
14091	22.7	−31 27	7.5	6.81	3721,4077,4097, 4122	*04*,05,12, *12*
1945	23.0	+53 13	7.5	7.74	3750,3762	*12*,13
3026	23.0	+31 21	6.8	7.04	3776,3781,4091, 4111	*03*,*09*,25, *12*
3418	23.0	+ 8 31	7.3	6.63	3752,3755,4157	21,*03*,*17*
3188	23.1	+16 32	7.0	7.16	3354,3755	20,*19*
2057	23.2	+52 53	6.5	6.56	3750,3762,4063	*25*,09,17
2971	23.2	+34 47	6.1	*5.87*		10, . *10*
3184	23.2	+11 28	7.0	*6.83*		. A .
12117	23.5	−33 38	6.8	6.56	3721,4097,4122	*01*,*06*,07
3697	23.7	+ 0 25	5.5	*5.14*		. . A
12820	23.7	−32 2	7.3	7.43	4097,4122,4476	16,*28*,13
4558	23.8	− 9 54	7.5	*7.81*		A . .
4565	23.8	−15 57	7.5	7.75	3766,3772	11,*11*
4644	23.9	−19 23	7.8	*8.82*		. A .
11638	24.0	−37 13	3.2	2.81	3352,3715,3729, 3742,4067,4101, 4467,4476,4506	*15*,24,*06*, 23,*30*,31, 00,*18*,*07*
11639	24.0	−37 21	7.3	6.75	4067,4467,4476	*19*,17,02
2517	24.1	+48 21	6.0	6.06	3775,4163,4462	*08*,28,*21*
2848	24.1	+42 19	7.5	8.22	3771,3775	02,*02*
3216	24.1	+10 38	7.2	*7.90*		. A .
12126	24.2	−33 31	7.5	7.96	3721,4097,4097, 4122,4476,4478, 4487,4491,4507, 4507	20,25,15, *58*,*08*,12, 22, R,*10*, *14*
1754	24.4	+60 7	5.5	*5.53*		. . A
4450	24.4	− 5 50	6.6	6.28	4092,4158	*06*,05
11954	24.4	−38 56	7.5	7.23	4067,4467,4476	24,*06*,*17*
11544	24.4	−39 5	7.5	7.73	4067,4467,4476	*17*,16,02
1731	24.5	+58 44	6.0	*6.47*		. . A
3187	24.5	+10 59	7.5	7.50	3354,3755	23,*22*
4572	24.7	−15 33	7.8	7.52	3740,3766	03,*04*
13409	24.7	−23 45	8.0	*7.36*		. A .
841	24.8	+71 58	6.8	7.05	3737,3738	05,*05*
4290	25.0	− 4 17	6.9	6.62	4092,4158	11,*11*
3300	25.2	− 0 58	5.4	5.26	3772,4158,4455	11,*10*,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days	Resid.
			DM.	Phot.		
	m.	° ′				
12149	25.2	−33 37	6.6	6.49	3721,4097,4122	11,15,*27*
1014	25.3	+67 24	6.5	6.31	3737,3738,3742	*01*,02,*03*
13412	25.3	−23 53	5.2	4.79	4467	A
710	25.5	+74 45	7.0	*7.42*		A . .
4375	25.5	− 2 37	8.5	8.88	4092,4455,4478, 4487	*11*,14,11, *12*
2839	25.6	+41 29	7.3	8.03	3771,3771,3775	00,07,*08*
12152	25.6	−26 11	6.2	*5.96*		. . A
14178	25.6	−31 28	7.5	7.81	3721,4097,4122	18,13,*30*
3234	25.7	+12 1	6.5	*6.40*		. 06,*07*
3222	25.7	+10 51	7.5	7.14	3354,3755	19,*20*
540	25.8	+79 25	7.3	7.28	3738,4101,4163	*25*,*02*,28
3449	25.8	+ 1 13	7.5	7.06	3752,3755	15,*15*
4377	25.8	− 2 45	6.8	7.20	3741,3758	07,*07*
11757	25.8	−34 12	6.4	6.25	3721,4077,4097	*02*,*18*,19
2986	25.9	+35 2	7.2	*7.27*		A . .
3256	26.2	+17 36	7.0	6.86	3354,3755,4157	20,*17*,*04*
2218	26.3	+51 26	7.5	7.64	3750,3762	*05*,06
3337	26.4	+ 2 48	5.5	*5.61*		. . A
3450	26.5	+ 1 45	7.2	7.18	3752,3755	14,*14*
12883	26.5	−32 59	7.5	7.08	3721,4097,4122	02,08,*11*
2412	26.6	+50 58	6.8	6.97	4063,4101	00,00
2418	26.6	+50 10	7.3	*7.82*		A . .
4641	26.6	−13 36	8.3	8.12	3766,3772	04,*05*
2219	26.7	+51 34	7.3	7.96	3750,3762	*12*,12
3084	26.7	+26 11	5.0	4.65	4114,4472,4474	17,*07*,*11*
13694	26.7	−29 34	7.0	*6.98*		. . A
3709	26.8	+ 0 8	6.8	*7.03*		A . .
11673	26.8	−37 2	2.0	1.42	3352,3715,3742, 4074,4101,4458, 4467,4506	07,27,42, *28*,*21*,*05*, *21*,02
3338	27.0	+19 36	6.5	6.87	4158	A
3047	27.1	+31 13	5.8	*5.83*		. . A
544	27.2	+80 13	6.2	*5.92*		*09*, . 10
4646	27.2	−13 24	6.5	7.07	3058,3766,4092	*03*,*10*,12
4841	27.2	−17 25	7.0	6.89	3740,3766,4092	16,*12*,*04*
647	27.3	+76 8	7.0	*7.17*		A . .
3147	27.3	+38 58	6.5	*6.45*		12, . *12*
2525	27.5	+48 13	7.5	8.18	3771,3775	05,*04*
2491	27.5	+47 29	7.0	7.28	3771,3775	10,*10*
3209	27.5	+16 55	6.8	6.81	3354,3755,4157	15,*18*,02
3241	27.6	+12 0	6.7	*6.18*		. 05,*04*
3013	27.8	+30 24	7.1	*7.11*		A . .
2767	27.9	+28 29	5.7	*5.58*		. . A
3270	27.9	+14 28	7.0	*7.39*		A . .
4869	28.0	−22 57	7.5	7.17	4076,4077,4122	*04*,10,*07*
4461	28.1	− 5 40	6.2	*5.61*		14, . *14*
14242	28.1	−31 48	7.3	7.10	3721,4097,4122	06,04,*11*
12935	28.1	−32 31	5.8	5.65	3352,3721,3742, 3774,4074,4101,	09,17,*09*, 17,*41*,07,

17^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4458,4506	*13*,13
2065	28.2	+52 23	3.0	3.06	3750,3762,4063	*05*,10,*05*
12018	28.2	−38 44	7.5	6.65	4067,4094,4122	*07*,15,*07*
791	28.4	+72 54	7.5	7.55	3738,3742	10,*10*
2989	28.4	+34 21	6.5	6.65	4091,4111,4115	13,*01*,*13*
3038	28.4	+26 31	7.0	6.85	3776,3781,4114	06,*11*,05
3348	28.5	+19 28	7.3	*7.85*		A . .
3214	28.7	+16 51	7.0	7.08	3354,3755	13,*13*
4570	28.7	−18 9	7.0	7.14	3058,3740	14,*13*
11699	28.7	−37 47	8.3	7.66	4067,4170,4458	*17*,02,16
4398	28.9	− 2 59	7.0	7.15	3741,3758	05,*05*
11702	28.9	−37 22	6.8	6.47	4094,4170,4458	08,05,*12*
2653	29.0	+49 48	7.5	*8.07*		A . .
1358	29.1	+63 57	7.5	7.43	3737,3738	*02*,02
1774	29.1	+57 57	6.7	6.50	3750,3762,4063	00,07,*08*
3354	29.1	+19 20	5.0	*5.59*		. . A
12037	29.1	−38 2	7.0	7.04	4094,4170,4458,	*01*,28,*18*,
					4467	*08*
2420	29.2	+50 46	7.5	7.70	3750,3762	*09*,10
3218	29.2	+16 25	5.0	5.72	3755,4157,4470	*25*,13,13
3279	29.2	+14 55	6.2	*6.66*		08, . *08*
4411	29.2	−11 10	6.0	5.45	3766,3774,4455	*06*,*04*,11
4659	29.3	−21 58	6.5	6.38	4476	A
1889	29.4	+54 26	7.5	7.08	3750,3762	*07*,07
2331	29.5	+46 24	7.0	7.50	3771,3775	05,*05*
4660	29.5	−13 34	6.8	6.78	3058,3766,3772,	*04*,19,05,
					3774	*20*
1360	29.6	+63 50	7.2	7.28	3737,3738	01,*01*
12044	29.6	−38 34	4.7	4.38	3742,3774,4074,	32,*19*,*19*,
					4094,4101,4103,	18,18,*25*,
					4122,4178,4506	06,08,*18*,
3397	29.8	+13 14	6.5	*6.66*		. A .
3424	29.9	+ 9 39	6.7	*5.72*		10, . *11*
2850	30.0	+41 19	5.5	5.84	3775,4101,4462	09,*02*,*08*
3220	30.0	+16 35	6.8	6.38	3731,4157,4470	21,*15*,*05*
3358	30.1	+19 18	7.5	7.30	3354,3781	06,*06*
4465	30.1	− 5 52	7.5	7.79	3741,3766	07,*07*
4693	30.1	−14 35	7.5	*7.91*		A . .
R	30.1	−42 56	. .	2.02	3713,3715,3742,	*16*,27, R,
					3750,3774,4074,	R,01, R,
					4098,4506	*13*,02
1944	30.2	+55 15	5.2	4.93	3771,3780	06,*06*
2532	30.2	+47 59	7.3	7.58	3775,3780	11,*10*
4402	30.2	− 2 49	7.5	7.44	3741,3758	*06*,07
1945	30.3	+55 14	5.2	4.95	3750,3762,4101,	29,08,*21*,
					4462	*15*
3252	30.3	+12 38	2.0	*2.10*		. . A
4618	30.3	− 6 3	6.8	6.75	3741,3766,4092	09,*06*,*04*
4857	30.4	−17 48	7.4	7.48	3058,3740	00,*01*
13005	30.4	−32 4	7.2	6.91	4097,4122,4476	14,*18*,05
2658	30.5	+49 26	6.8	*7.27*		A . .
3400	30.5	+13 12	7.7	*7.23*		. A .
11723	30.6	−38 0	6.7	6.61	4094,4170,4173	03,01,*04*
11863	31.0	−34 17	7.4	6.89	4097,4122,4458	12,*25*,12
11734	31.0	−37 48	7.1	7.05	4094,4170,4178	*13*,*05*,17
935	31.1	+68 50	7.5	8.07	3737,3788	00,00
3212	31.1	+24 25	7.3	7.40	3776,3781	*02*,03
3006	31.2	+35 56	7.5	8.12	4091,4111,4115	*19*,10,08
2996	31.2	+34 48	7.0	6.87	4091,4111,4136	15,*06*,*10*
3286	31.2	+14 20	7.5	8.02	3354,3731	04,*04*
3256	31.2	+12 6	7.0	7.04	3354,3731	*01*,02
4586	31.2	−18 56	7.0	7.34	4058,3740	01,00
2856	31.5	+40 59	6.7	7.16	3775,3780	03,*02*
3372	31.5	+19 54	6.6	6.52	4158,4165	*04*,05
2765	31.7	+43 28	7.1	7.34	3775,3780	09,*10*
3157	31.7	+21 4	6.0	*5.83*		. . A
1780	31.9	+57 38	6.3	6.17	3750,3762,4063	*18*,11,07
4468	31.9	− 7 59	7.3	7.51	3766,3772	*02*,02
4621	31.9	−15 20	3.8	*3.61*		09, . *09*
4622	31.9	−15 30	6.5	*5.92*		03, . *02*
11764	31.9	−27 59	7.1	7.02	3729,4122	18,*18*
3411	32.0	+13 20	7.3	7.14	3354,3731	02,*02*
4413	32.0	− 2 49	7.3	7.44	3741,3758	09,*09*
4383	32.0	−22 31	7.5	7.76	4122,4165	*02*,03
925	32.1	+69 39	6.5	7.24	4101,4462	01,00
3227	32.1	+16 28	7.5	7.66	3354,3731	00,01
3412	32.1	+13 53	6.7	6.80	3354,3731,4158	*04*,03,01
2908	32.2	+37 22	6.5	6.15	4091,4111,4136,	*02*,45,*04*,
					4162,4472,4474,	*16*,11,*16*,
					4478	*18*
2787	32.2	+28 14	6.3	6.48	4115,4136,4162	10,*11*,00
11763	32.2	−37 43	7.5	7.16	4094,4170,4173	*10*,14,*03*
3308	32.3	+25 41	7.4	7.27	4115,4136	08,*08*
938	32.4	+68 12	5.5	*5.16*		. . A
2849	32.4	+27 39	7.0	6.57	4114,4115,4136	*04*,22,*17*
4472	32.4	− 8 3	4.8	4.60	3766,3772,4455	01,08,*08*
11898	32.4	−34 25	7.5	7.26	4097,4122,4458	04,*10*,07
11707	32.5	−39 17	7.5	7.18	4094,4458,4476	*07*,06,00
512	32.6	+83 26	7.5	*7.46*		A . .
4473	32.6	− 8 58	7.4	7.74	3766,3772	04,*04*
4528	32.6	−10 52	6.5	*6.00*		05, . *04*
4682	32.7	−21 51	6.3	*6.72*		. A .
13387	32.7	−28 21	7.5	7.41	3729,4076	11,*11*
3033	32.8	+30 51	6.0	*5.78*		. . A
3527	32.8	+20 20	7.5	*7.90*		A . .
846	32.9	+71 18	7.5	7.76	3737,3738	08,*08*
13829	33.0	−29 28	7.5	6.78	3729,4076,4077	*13*,*06*,18
13072	33.1	−32 16	7.3	7.03	4122,4173,4174,	*32*,24,11,
					4476,4477,4478	*06*,09,*06*
3531	33.2	+20 40	7.5	7.48	3776,3781	*08*,09

17^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
11721	33.2	−39 9	7.3	7.49	4094,4173,4458	10,08,*17*
3218	33.4	+24 22	6.0	5.70	3781,4115,4136	*21*,16,06
13086	33.5	−32 9	7.2	6.69	4122,4173,4174	00,11,*10*
13102	33.6	−32 12	7.5	7.14	4122,4173,4174	*14*,08,06
2668	33.7	+49 31	7.0	*7.42*		A . .
3016	33.8	+35 51	7.2	7.36	4091,4111,4136, 4472,4474,4478	07, R ,04, 00,*07*,*03*
3267	33.8	+12 48	7.5	7.67	3354,3731	*01*,01
4696	33.8	−13 36	7.5	7.46	3058,3766	*12*,12
1678	33.9	+61 58	6.0	5.81	3352,3712,3713, 3715,3721,3729, 3731,3741,3742, 3750,3772,3775, 3784,4063,4074, 4077,4091,4092, 4098,4102,4103, 4111,4111,4165, 4171,4455,4456, 4462,4464,4471, 4474,4487,4491, 4493,4504,4506, 4507,4522	*05*,*14*,08, *10*,*03*,*16*, *05*,*13*,*14*, 02,01,*09*, *09*,13,02, 10,*08*,10, 04,*27*,*16*, *34*,36,29, 27,*06*,07, *04*,*06*,16, *08*,*06*,26, 05,01,*02*, 01,28
4430	33.9	−11 13	7.8	7.85	3058,3766	03,*03*
2541	34.0	+48 32	7.5	7.58	3780,3784	10,*10*
2542	34.0	+48 38	6.0	5.56	3780,3784,4478	10,02,*11*
3373	34.1	+ 2 5	6.7	*6.36*		. 00,01
13418	34.1	−28 52	7.8	6.99	3729,4076,4122	*01*,18,*11*
3465	34.3	+ 3 37	6.5	6.56	3752,3755,3758	*02*,*07*,08
1559	34.4	+62 30	7.5	7.14	3737,3738	06,*07*
2234	34.4	+51 3	7.5	7.94	3750,3771	*07*,07
3421	34.4	+13 23	6.5	6.29	3354,3731,4165	*03*,*18*,21
13142	34.4	−32 10	6.8	6.99	4122,4173,4174	*22*,*06*,29
3466	34.5	+ 3 27	7.2	6.76	3752,3755,4158	10,*10*,*01*
2888	34.7	+42 53	7.2	7.96	3780,3784	*13*,13
2869	34.7	+41 4	7.0	8.05	3780,3784	*13*,13
3338	34.8	− 0 35	6.5	6.60	4092,4164	*20*,20
2912	34.9	+36 48	7.0	6.85	4091,4111,4136, 4162,4472,4474, 4478	12,26,*06*, *30*,*06*,01, 03
4150	34.9	− 3 29	7.3	7.54	3766,3772	04,*05*
4425	35.0	− 2 6	6.2	6.46	3352,3354,4455	*09*,00,08
2777	35.1	+43 40	7.0	7.14	3780,3784	*02*,01
2858	35.1	+27 7	7.5	7.34	4115,4136	06,*07*
3423	35.1	+13 21	7.5	7.54	3354,3731	02,*02*
2573	35.2	+45 38	7.3	7.64	3780,3784	*03*,04
2964	35.2	+32 47	7.0	6.45	4111,4136,4162, 4164	*21*,11,*19*, 29
3434	35.2	+ 7 51	7.2	7.14	3752,3755	09,*08*
1960	35.3	+55 48	7.4	7.18	3750,3762	*01*,00
12361	35.3	−33 27	6.9	6.69	4122,4173,4174	*04*,05,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
717	35.4	+74 17	7.0	7.06	3737,3738	18,*18*
3039	35.4	+30 17	7.5	*7.11*		A . .
3490	35.5	+ 6 37	7.0	7.32	3752,3755	09,*08*
2512	35.6	+47 12	7.4	7.70	3780,3784	*15*,15
12137	35.6	−38 59	2.6	2.45	3352,3715,3750, 3758,3774,3775, 4074,4091,4094, 4103,4122,4456 4458,4506	22,12,03, *17*,*22*,51, *35*,04,29, *20*,*20*,08, *02*,*09*
3189	35.7	+40 57	7.5	8.13	4136,4162	20,*20*
4808	35.8	−12 49	4.5	4.35	3058,4164,4455	*11*,01,11
11804	36.1	−36 54	6.2	5.57	3750,3758,3774, 4074,4091,4103, 4122	07,14,*07*, 03,*14*,*34*, 28
3075	36.2	+31 15	6.5	*6.20*		. . A
3079	36.2	+29 18	7.5	7.46	4115,4136	04,*04*
13514	36.3	−23 18	7.8	7.70	4076,4077	*03*,04
2745	36.5	+44 4	6.8	7.66	4063,4101	04,*05*
13208	36.5	−33 0	6.7	6.57	4122,4173,4174	*09*,*21*,29
2349	36.6	+46 4	4.0	3.61	3784,4101,4478	29,*28*,*01*
3246	36.6	+15 13	6.0	*6.26*		. . A
1961	36.7	+55 48	7.3	7.34	3750,3762	*18*,17
3498	36.7	+ 6 22	6.5	5.98	3752,3755,4158	08,*16*,08
11852	36.8	−35 15	7.3	7.08	4094,4458,4476	08,*07*,*01*
3076	36.9	+31 22	7.0	*6.43*		. . A
3482	36.9	+ 4 24	7.5	6.91	3752,3755,4158	13,*15*,03
4655	36.9	−15 31	7.8	6.92	3058,4092	*11*,10
3225	37.0	+24 33	6.3	*6.46*		10, . *10*
11850	37.0	−27 50	6.8	6.35	3729,4077,4122	01,16,*17*
13223	37.0	−32 37	7.2	6.79	4074,4122,4173	*05*,00,04
14623	37.1	−30 8	7.8	7.46	4122,4476,4477	*08*,02,05
3401	37.2	+19 11	7.1	7.82	3354,3731	*06*,05
4332	37.2	− 4 48	6.5	6.88	4092,4164	10,*11*
11860	37.2	−35 27	8.5	8.15	4094,4477	*12*,12
12154	37.2	−38 46	7.2	6.77	4094,4458,4476	*01*,04,*04*
2678	37.3	+49 50	6.5	6.69	4063,4101	17,*17*
3256	37.4	+16 0	5.1	*5.50*		. . A
4712	37.4	−21 38	5.2	4.84	4076,4476,4477	*05*,07,*01*
949	37.5	+68 48	4.8	4.90	3352,3354,3715, 3721,3731,3741, 3742,3750,3758, 3771,3772,3774, 3776,3781,3783, 3784,4063,4076, 4091,4092,4094, 4094,4097,4098, 4111,4114,4136, 4136,4157,4164, 4165,4166,4170, 4171,4173,4174,	*14*,08,14, *18*,*14*,*11*, 04,*31*,06, 12,*10*,*18*, *16*,*11*,*05*, *05*,*06*,*03*, *02*,01,37, 07,02,*24*, 23,*01*,03, 06,03,14, 12,16,10, 26,11,25,

17^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4462,4471,4472,4474,4487,4491,4493,4493,4504,4506,4507,4517,4528,4539	01,*27*,*17*,04,06,*30*,R,*09*,*16*,*02*,06,*03*,14,37
933	37.6	+69 38	6.5	6.48	4101,4163	01,00
3188	37.6	+21 34	7.5	6.74	3776,3781,4114	00,02,*03*
2781	37.7	+43 31	6.5	6.67	3780,3784,4063	*10*,13,*03*
3312	37.8	+17 16	7.0	7.10	3731,3755,4165	11,*34*,22
2930	38.0	+37 54	7.3	7.74	4091,4111,4136	08,12,*20*
2882	38.1	+41 42	6.5	6.97	3780,3784,4063	*03*,09,*06*
2870	38.1	+27 40	7.1	6.52	4115,4136,4162	18,*13*,*06*
4732	38.1	−13 28	6.3	6.27	3058,3766,4092	07,*05*,*02*
13528	38.2	−23 38	7.5	7.10	4076,4077	*02*,03
2007	38.3	+56 56	7.0	7.46	3750,3762	*10*,09
4487	58.3	− 7 2	6.7	6.20	3766,3772,4092	*01*,*05*,06
4903	38.3	−17 42	7.5	7.52	3058,3740	*04*,05
3231	38.4	+24 37	6.0	*5.54*		01, . *01*
4405	38.4	−22 9	7.3	*6.64*		. A .
11884	38.4	−35 29	7.8	7.00	4094,4476,4476,4477	06,03,*14*,07
799	38.5	+72 7	7.8	7.28	3737,3738	*02*,02
3489	38.5	+ 4 37	3.0	*2.99*		. . A
4160	38.5	− 3 52	7.5	7.69	3766,3772	*02*,02
4603	38.5	−16 50	7.0	7.34	3058,3740	04,*03*
4906	38.5	−17 24	7.0	7.34	3058,3740	04,*05*
720	38.7	+74 4	7.4	7.62	3737,3738	12,*11*
2887	38.7	+41 5	7.5	7.84	3780,3784	16,*17*
3091	38.7	+29 28	6.5	6.54	4136,4162	27,*28*
4488	38.7	− 5 53	7.4	7.32	3766,3772	10,*11*
3321	38.8	+14 20	6.0	6.18	3731,3755,4470	24,*12*,*13*
1791	38.9	+57 22	7.0	6.84	3750,3762,4063	*03*,15,*12*
2984	38.9	+38 8	7.5	7.27	4091,4111,4136	*08*,27,*18*
800	39.0	+72 31	6.0	6.02	3787,3738,4462	13,*05*,*09*
2243	39.1	+51 52	6.0	*6.00*		. . A
3198	39.1	+21 41	7.5	7.45	3776,3781	*05*,05
2449	39.3	+50 33	6.8	*7.87*		A . .
3237	39.3	+24 22	6.2	*5.60*		*05*, . 06
3390	39.5	+ 2 37	6.5	*5.62*		. *06*,05
3391	39.6	+ 2 37	6.5			
11816	39.5	−39 14	7.3	6.87	4094,4456,4476	17,*08*,*10*
1371	39.6	+63 44	6.9	6.83	3737,3738,4163	*08*,06,03
2934	39.6	+37 37	7.5	7.70	4091,4136	10,*10*
2942	39.6	+33 2	7.0	7.54	4136,4162,4164	07,*16*,08
3329	39.8	+14 27	6.0	*6.14*		. *03*,02
3444	39.8	+13 51	7.2	6.78	3731,3755,4165	19,*24*,04
12317	39.8	−26 56	7.5	7.39	3729,4076,4122	16,*16*,00
4443	40.0	− 2 42	7.3	7.30	3766,3772	14,*13*
2757	40.1	+44 8	6.5	6.42	4063,4101	25,*26*
3416	40.2	+19 3	7.4	8.04	3731,3755	08,*09*
13311	40.2	−32 25	8.0	8.15	4173,4174,4456,4477	*10*, R,*05*,14
12189	40.2	−38 5	7.1	6.24	3804,4067,4094	14,*19*,05
4546	40.3	−10 18	7.0	*7.76*		A . .
2890	40.5	+41 40	7.5	8.40	3780,3784	*05*,04
2944	40.6	+33 17	6.5	7.04	4136,4162,4164	*08*,*23*,32
11838	40.6	−40 5	3.3	3.12	3731,3750,3758,3774,4091,4091,4097,4098,4103,4136,4472	08,03,*20*,12,11,12,*07*,*25*,07,R,00
4745	40.7	−13 16	7.2	7.38	3058,3766	*04*,05
3251	40.8	+11 12	7.2	*7.06*		. A .
939	41.0	+69 11	7.0	7.08	3737,3738	01,*02*
3481	41.0	+ 5 57	7.3	7.22	3752,3755	03,*02*
3087	41.1	+31 11	7.5	7.52	4162,4164,4472,4474,4478	*44*,36,14,*06*,01
4497	41.1	− 7 56	7.0	7.32	3766,3772	04,*04*
2588	41.2	+45 5	7.2	6.70	4063,4101	26,*26*
3482	41.2	+ 5 44	7.8	7.40	3755,4158	*08*,07
3483	41.2	+ 5 35	7.5	6.66	3752,3755,4158	13,*19*,06
12073	41.2	−34 17	7.2	6.76	3804,4076,4456	08,*12*,04
3059	41.3	+35 16	7.0	*6.84*		A . .
3501	41.3	+ 1 6	6.8	6.82	4158,4165	19,*18*
2940	41.4	+37 55	7.5	8.40	4091,4136	22,*22*
3484	41.4	+ 5 42	7.7	7.16	3752,4158	17,*16*
4446	41.4	− 2 49	7.5	7.60	3766,3772	15,*16*
12476	41.4	−33 58	7.3	6.95	4076,4456,4477	*11*,09,03
1031	41.5	+67 12	7.0	6.87	3788,3771,4163	16,*08*,*07*
2994	41.5	+38 23	7.5	7.56	4091,4162	03,*03*
11934	41.5	−35 52	7.7	6.94	4067,4094,4477	*16*,08,08
4645	41.6	−18 4	7.0	7.54	3058,3740	*06*,07
4874	41.6	−20 48	7.0	7.08	3802,4076,4077,4122	*04*,*09*,06,06
12080	41.6	−34 33	8.5	7.49	3804,4074,4076,4456,4477,4478	R,*12*,01,*11*,17,06
12201	41.6	−38 6	7.5	6.84	4067,4094,4456	*15*,09,05
3391	41.7	− 1 41	7.5	7.47	3766,3772	12,*12*
4423	41.7	−22 27	6.7	6.24	3802,4076,4077	*10*,05,05
13346	41.7	−32 38	7.3	7.20	4076,4173,4174	*12*,08,04
11862	41.7	−39 52	7.3	6.69	4067,4456,4476	*16*,02,14
3490	41.8	+ 5 49	7.1	6.93	3752,3755,4158	21,*31*,11
1978	41.9	+53 50	5.7	5.66	3762,4101,4478	*08*,08,*01*
3090	41.9	+31 33	6.5	6.12	4162,4472,4474	*25*,23,02
4770	41.9	−14 42	6.2	6.08	3740,4164,4455	*03*,27,*25*
12102	42.1	−35 2	7.7	7.22	3804,4067,4456	*08*,*04*,12
12367	42.2	−26 57	6.7	6.16	3729,4076,4077	11,*21*,11
639	42.5	+75 58	7.5	*8.07*		A . .
2457	42.5	+50 5	7.5	*7.27*		A . .
2888	42.5	+27 47	3.5	*3.47*		. . A
12215	42.5	−38 57	7.5	6.75	4067,4456,4476	*19*,18,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2997	42.6	+38 56	6.0	6.66	4091,4164,4472	08,*03*,*05*
3344	42.6	+25 48	7.0	6.87	4115,4163,4472	*12*,14,*03*
3219	42.7	+39 22	6.0	*6.63*		. . A
3334	42.7	+17 46	5.5	*5.49*		. . A
14609	42.7	−31 40	5.5	4.72	3750,3758,3775, 3804,4074,4091, 4122,4136,4173	07,*09*,18, *13*,06,*05*, *13*,03,08
14748	42.8	−30 34	6.8	6.59	3804,4074,4076	09,*08*,00
11954	42.8	−35 21	7.5	6.96	3804,4067,4456	03,14,*16*
3408	42.9	+ 2 45	3.5	*3.70*		. *03*,04
11907	43.0	−37 1	3.4	3.27	3758,3775,3804, 4067,4136,4507, 4517,4522	11,11,16, *47*,04,25, *30*,07
3398	43.1	− 1 47	7.5	7.63	3766,3772	08,*08*
11886	43.1	−40 4	5.6	4.82	3731,3737,3750, 3758,4097,4098, 4103,4173,4472	05,05,*11*, *12*,04,*22*, 01,35,*04*
3464	43.2	+18 56	6.5	6.65	4455,4470,4478	10,*13*,03
3471	43.2	+ 9 49	7.0	7.22	4158,4165	07,*06*
3493	43.3	+ 3 50	6.9	*6.19*		. 01,*01*
2689	43.4	+49 33	7.3	*8.12*		A . .
2937	43.4	+36 7	6.5	6.63	4091,4162,4164	09,*23*,15
2831	43.4	+28 58	7.5	7.36	4115,4163	*12*,11
804	43.7	+72 12	4.8	4.67	3354,3758,3771, 3774,3775,3776, 3780,3781,3783, 3784,3802,3804, 3807,4076,4094, 4097,4098,4136, 4157,4158,4162, 4166,4170,4173, 4174,4464,4472, 4491,4493,4504, 4507,4517,4522, 4523,4528,4533, 4539,4544,4545	*06*,*06*,*23*, 04,*09*,09, *04*,*25*,*17*, *17*,*08*,*08*, 33,*11*,05, 04,*05*,35, 00,*27*,00, *03*,14,12, 04, R,08, *10*,*17*,*02*, 04,*11*,02, *12*,12,12, 42,23,09
805	43.7	+72 12	6.2			
4711	43.7	−19 58	7.4	*7.64*		A . .
3504	43.8	+ 5 44	8.2	7.35	3752,3755	16,*16*
13521	43.8	−24 11	7.4	7.10	3802,4076,4077	*11*,*02*,12
2098	43.9	+52 31	7.5	7.98	3750,3771	*14*,13
3505	44.0	+ 5 2	7.9	7.20	4158,4165	12,*11*
3570	44.1	+20 36	5.8	5.76	3776,4114,4472	*06*,09,*04*
11991	44.1	−27 2	7.0	6.79	3729,4076,4077	07,*13*,07
556	44.2	+79 15	7.3	7.18	3737,3738,3762	R,*10*,10
3050	44.2	+34 19	6.5	*6.57*		A . .
3406	44.3	+ 2 0	6.8	6.46	3755,3758,3758	*17*,24,*08*
4848	44.3	−12 35	7.3	7.99	3058,3766	*11*,11
13532	44.3	−24 50	8.1	8.22	3802,4076	01,*02*
791	44.4	+73 30	7.3	7.64	3737,3738	20,*21*
1984	44.4	+53 37	7.5	7.34	3750,3762	*08*,07
2537	44.4	+47 39	6.2	6.39	3780,3784,4478	00,26,*26*
2939	44.4	+36 3	7.2	7.25	4091,4162	06,*06*
11979	44.4	−35 19	7.5	6.80	3804,4067,4102	31,*24*,*07*
2942	44.5	+36 35	6.5	6.72	4091,4162,4164	11,*28*,18
3435	44.5	+19 17	6.0	6.01	3753,4166,4470	*02*,46,*45*
3786	44.5	+ 0 56	7.3	*7.94*		A . .
3214	44.8	+40 0	7.0	*7.52*		A . .
3006	44.8	+38 16	7.0	7.71	4091,4162,4164	*11*,*04*,16
3358	44.8	+25 39	5.7	*5.28*		. . A
14802	44.8	−30 32	7.5	6.30	3804,4076,4102	*09*,03,06
2919	44.9	+42 36	7.3	8.20	3780,3784	*10*,09
3215	44.9	+40 36	7.3	7.73	4162,4164	*19*,19
12543	44.9	−33 59	8.5	8.27	4074,4507,4522, 4522	15, R,*23*, 09
4436	45.0	−22 54	7.0	7.07	3802,4076,4077, 4102	*09*,*17*,*01*, 26
2772	45.1	+44 8	7.2	7.80	3780,3784	*17*,17
4932	45.1	−17 13	7.3	8.28	3058,3740,4092, 4164	00,06,*17*, 13
11992	45.2	−35 21	7.5	6.96	3804,4067,4476	00,*16*,15
2541	45.3	+47 37	6.8	7.06	3780,3784	*01*,00
3578	45.3	+20 40	7.2	7.62	3776,3781	*06*,06
3579	45.4	+20 57	7.5	7.73	3776,3781	*12*,12
3485	45.4	+ 9 53	7.0	6.81	4158,4165	03,*03*
2949	45.5	+37 5	7.0	7.09	4091,4162,4164	11,*34*,22
13617	45.5	−28 39	7.5	7.17	3802,4076	10,*10*
1843	45.6	+59 18	7.5	7.80	3750,3762	*11*,10
12165	45.6	−34 47	7.2	5.84	3804,4074,4076	30,*22*,*09*
3580	45.7	+20 58	7.3	7.64	3776,3781	*17*,16
12170	45.7	−34 24	7.1	5.84	4074,4076,4456	*10*,*14*,23
14712	45.8	−31 19	7.4	6.99	4173,4456,4477	*03*,*04*,06
3264	45.9	+24 29	7.1	*7.01*		A . .
4725	45.9	−19 30	6.8	6.79	3058,4092	*04*,04
640	46.1	+75 34	7.0	*7.92*		A . .
3305	46.1	+11 59	6.4	6.35	3781,3753,4165	13,*05*,*08*
807	46.2	+72 40	7.5	7.43	3737,3738	*07*,07
3357	46.2	+25 19	7.0	6.58	4115,4163	*06*,07
3521	46.2	+ 5 16	6.8	*7.16*		A . .
4441	46.2	−22 39	7.3	7.24	3802,4076	09,*09*
12186	46.2	−34 6	7.1	6.07	4074,4076,4076, 4102,4456	08,*14*,*20*, 20,07
2576	46.3	+48 51	7.3	7.58	3780,3784	*09*,09
3511	46.3	+ 8 34	7.0	6.80	3755,4158,4165	*09*,11,*01*
4895	46.3	−20 3	7.5	*7.93*		A . .
12187	46.3	−35 0	7.4	6.50	3804,4067,4074	06,*20*,15
12013	46.3	−35 36	7.1	5.97	3804,4067,4102	13,*18*,04
3238	46.4	+39 38	6.8	*7.97*		A . .
1377	46.5	+63 8	7.3	7.76	3738,3762	00,*01*
3126	46.5	+29 21	6.0	*5.58*		08,*08* .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4639	46.5	−16 56	7.2	7.95	3058,3740	03,*03*
4666	46.5	−18 4	7.3	7.49	3058,3740	09,*09*
4728	46.5	−19 5	6.7	*7.30*		A . .
3227	46.6	+22 20	6.5	*5.93*		. . A
12198	46.6	−34 35	7.6	6.77	3804,4067,4074	00,*02*,01
2468	46.7	+50 48	5.0	5.09	3750,4101,4478	*01*,22,*22*
14733	46.7	−32 0	7.3	6.80	4076,4102,4477	03,*02*,00
12200	46.7	−34 42	7.5	6.08	3804,4067,4074	21,*03*,*17*
12203	46.7	−34 52	6.8	5.80	3804,4067,4074	13,*05*,*09*
3412	46.8	− 1 12	6.5	6.45	3766,3772,4092	*07*,00,06
2929	46.9	+41 59	7.3	7.87	3780,3784,4063,4101,4163,4478,4491,4493	*14*,50,21,*11*,*24*,01,*13*,*09*
1911	47.0	+54 13	6.5	6.61	4063,4101	15,*15*
3541	47.0	+ 4 31	7.0	*7.05*		A . .
3525	47.0	+ 1 8	7.5	*7.13*		06, . *06*
3526	47.0	+ 1 8	6.8	*6.78*		26, . *25*
2956	47.1	+36 52	7.0	6.96	4091,4162,4164,4472,4474,4478	19,*31*,34,*03*,*08*,*09*
3069	47.1	+30 1	7.2	6.74	4162,4164,4472,4474,4478	*31*,35,*08*,*02*,07
3488	47.1	+ 7 25	7.1	7.81	3755,3758	05,*05*
12219	47.1	−34 45	7.7	6.13	3804,4067,4074	11,*17*,05
4519	47.3	− 5 14	6.7	*6.92*		A . .
12070	47.3	−27 15	6.8	6.80	3729,4076,4077,4455,4455,4455,4455,4456,4456,4456,4456,4458,4458,4458,4458,4462,4462,4462,4462	*01*,*14*,*20*,*02*,10,05,01,*14*,08,*05*,07,*01*,17,*03*,09,00;11,*03*,*06*
12226	47.3	−34 43	7.5	6.04	3804,4067,4074	*16*,02,14
12228	47.3	−34 48	7.5	6.42	3804,4067,4074	*11*,07,03
2581	47.4	+48 25	6.5	6.55	4491,4493,4506	*01*,*01*,02
3292	47.4	+15 22	6.5	6.49	4165,4166	00,00
4779	47.4	−13 37	7.2	7.24	3058,3766	00,00
2777	47.5	+44 31	7.5	*7.67*		A . .
4517	47.5	− 7 53	7.5	7.60	3766,3772	04,*04*
4560	47.5	−10 52	6.5	6.23	3058,4092	05,*05*
12296	47.5	−38 36	7.5	7.03	4102,4476	09,*09*
3295	47.6	+16 40	7.5	7.38	3731,3753	11,*10*
3528	47.6	+ 1 20	6.0	*6.14*		. *02*,02
4193	47.6	− 3 32	7.3	7.50	3766,3772	*03*,02
12237	47.6	−34 42	7.7	6.68	3804,4067,4074	05,07,*11*
3011	47.8	+38 28	7.5	7.66	4091,4162,4164	04,*20*,15
4482	47.8	− 2 33	7.5	7.69	3766,3772	03,*03*
12244	47.8	−34 26	7.3	6.05	3804,4067,4074	18,*03*,*15*
2024	47.9	+56 51	7.5	7.62	3750,3771	*07*,07
3225	47.9	+40 5	6.7	*6.52*		05, . *05*
3271	47.9	+24 20	7.2	7.04	3781,4114	20,*21*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4523	47.9	− 5 54	7.2	6.89	3766,3772,4092	*07*,12,*04*
4733	47.9	−19 51	7.0	7.30	3058,4092	05,*04*
3300	48.1	+16 55	6.7	6.58	3731,3753,4165	18,*06*,*13*
2780	48.2	+44 56	7.2	7.22	4063,4478	07,*06*
4520	48.2	− 8 41	7.5	7.85	3766,3772	00,00
12253	48.2	−34 31	7.4	6.63	3804,4067,4074	11,12,*22*
1222	48.3	+64 47	7.0	*7.55*		A . .
1573	48.3	+62 48	6.3	6.69	3738,3762,4163,4462,4472,4478	07,*28*,34,*03*,*01*,*10*
2265	48.3	+51 16	7.5	7.92	3780,3784	*12*,13
3420	48.3	+ 2 41	7.5	7.36	3755,3758	04,*03*
2975	48.4	+33 54	7.0	7.22	4162,4165	*21*,21
3566	48.4	+ 6 8	5.9	*5.79*		. 02,*02*
12008	48.4	−36 27	6.8	5.92	4102,4174,4476,4477,4478	*02*,07,*05*,*01*,00
2995	48.5	+32 2	7.0	7.04	4162,4164,4165	*08*,*02*,11
4475	48.6	−11 19	6.5	6.65	3058,3766,4092	03,21,*23*
1851	48.7	+59 3	7.5	7.52	3750,3771	*01*,02
13615	48.7	−24 52	6.6	6.06	3729,3802,4076	*02*,*04*,05
3228	48.8	+40 0	6.2	*6.06*		06, . *06*
3416	48.9	− 1 35	7.1	6.53	3766,3772,4092	*01*,00,02
2379	49.2	+46 41	6.4	6.79	3780,3784,4478	*15*,39,*25*
2940	49.2	+42 53	7.0	7.66	3780,3784	*14*,13
3503	49.2	+ 7 57	7.5	7.74	3755,3758	*07*,07
4200	49.3	− 3 27	7.2	7.20	3766,3772	*16*,16
3025	49.4	+38 52	7.5	7.20	4091,4162	07,*07*
4478	49.4	−11 36	6.8	7.02	3058,3766	06,*06*
3528	49.5	+ 3 45	7.5	6.63	3755,3758,4158	*16*,*01*,17
12070	49.5	−35 1	7.2	6.62	3804,4102,4467	*10*,*15*,24
R	49.5	−44 19	. .	5.09	4097,4098,4136,4507	*05*,*22*, R, 28
3283	49.6	+11 10	6.5	*6.26*		. A .
4523	49.6	− 7 42	7.0	6.87	3766,3772,4092	01,04,*05*
13517	49.7	−32 27	7.0	6.55	4076,4077,4102	02,01,*02*
796	49.8	+73 10	7.3	7.52	3737,3738	05,*06*
3252	49.8	+39 42	7.5	*7.92*		A . .
12027	49.8	−39 55	7.5	7.34	3173,4467,4476	*04*,06,*01*
2028	49.9	+56 8	7.2	7.06	3750,3771	*11*,12
12447	49.9	−25 10	8.4	8.88	4523,4523	*02*,01
963	50.0	+68 42	7.4	6.87	3738,3762,4168	*14*,*14*,29
3233	50.0	+40 1	5.0	*5.04*		08, . *04*
3098	50.0	+35 43	6.7	*7.32*		A . .
4686	50.1	−18 47	6.0	*6.27*		. . A
555	50.2	+80 18	7.0	*7.10*		A . .
12551	50.2	−26 45	7.2	7.33	3729,4076	03,*03*
13529	50.2	−32 40	7.2	6.60	4076,4077,4102	*25*,13,12
4779	50.3	−21 56	7,2	6.64	3729,3802,4076	*02*,21,*19*
3542	50.4	+ 5 43	7.0	7.44	3755,3758	*08*,07
13878	50.4	−28 3	6.0	5.68	4076,4477,4506	04,01,*05*
4722	50.5	−15 47	5.9	5.90	3774,4455,4487	*07*,*01*,07

DM.	R.A. 1900.	Dec. 1900.		Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	°	′				
3427	50.6	+ 2	6	7.1	6.73	3752,3755,4158	*01*,03,*03*
12337	50.7	−38	4	7.3	7.42	4102,4173,4174	10,*01*,*08*
12049	50.7	−39	5	7.1	6.70	4102,4173,4174	*13*,17,*05*
12231	50.7	−41	42	5.3	4.94	3731,3737,4097,4098,4136,4472	07,11,*18*,04,21,*23*
2951	51.0	+42	41	7.5	7.58	3780,3784	*19*,19
4374	51.0	− 4	34	7.3	*7.65*		▲ . .
13678	51.0	−23	55	7.2	6.85	3729,3802,4076	*02*,02,00
12058	51.0	−39	7	6.9	6.34	4102,4173,4174,4174	22,*22*,*04*,03
1787	51.2	+60	25	6.5	6.82	4063,4101	01,*02*
3813	51.2	+ 0	42	5.8	5.69	3755,4158,4455	*25*,01,25
12103	51.2	−35	59	7.1	6.79	4102,4102,4173,4174	02,*16*,14,00
3120	51.4	+26	4	5.7	*5.33*		. . ▲
4376	51.5	− 4	4	6.3	5.53	3766,4455,4487	*04*,03,01
3237	51.6	+22	28	5.0	*5.61*		. . ▲
2033	51.8	+56	53	3.5	*3.88*		. . ▲
3004	51.8	+32	28	7.0	7.20	4162,4164,4165	00,*06*,05
2975	52.0	+36	11	7.5	8.00	4091,4162	18,*17*
3816	52.0	+ 0	5	6.2	*6.14*		34, . *35*
3500	52.1	+18	21	6.8	6.59	3731,3755,4165	18,*09*,*09*
3578	52.1	+ 6	31	6.8	*6.16*		. *02*,01
12060	52.1	−36	51	6.3	5.71	4102,4173,4476	*07*,01,06
3474	52.2	+19	54	7.3	*7.35*		▲ . .
3502	52.3	+18	38	6.5	6.69	3731,3755,4165	26,*24*,*01*
13936	52.3	−28	45	6.2	5.85	3729,4102,4478	01,*07*,07
12370	52.3	−38	33	7.5	7.01	4102,4174,4467	*02*,*09*,10
12063	52.4	−36	1	7.7	7.66	4102,4173,4174	*25*,01,23
12064	52.4	−36	55	7.3	6.80	4102,4173,4476	17,*17*,00
1707	52.5	+61	4	7.3	7.78	3738,3762	02,*01*
1388	52.6	+63	4	7.5	7.94	3738,3762	01,*02*
3386	52.7	+12	38	7.3	7.26	3731,3755	25,*25*
15035	52.7	−30	14	5.4	5.15	3737,3775,3783,4074,4098,4136,4472	15,*12*,10,07,17,*38*,R
12072	52.7	−36	0	7.5	7.26	4102,4173,4174	*13*,04,10
670	52.8	+77	3	7.5	7.50	3737,3738	01,00
2982	52.8	+37	16	3.5	*3.98*		. . ▲
3299	52.8	+11	4	6.5	*6.50*		. ▲ .
1057	52.9	+66	26	7.5	7.67	3738,3762,3771	*05*,05,01
3436	52.9	+ 2	16	7.0	6.71	3755,3758,4158	*11*,*02*,12
4671	52.9	−16	50	7.0	7.06	3772,3774,4092	*06*,*09*,15
4474	52.9	−22	30	6.8	6.92	3729,3802,4076	*05*,19,*14*
14292	52.9	−29	23	7.3	7.10	3729,4076	16,*15*
3438	53.1	+ 2	45	7.3	7.20	3755,3758	*19*,19
3283	53.2	+24	1	6.5	6.42	4114,4163	*06*,07
4534	53.2	− 8	31	7.5	8.28	3772,3774	*13*,13
12700	53.3	−33	24	7.4	7.20	4074,4077,4478	*15*,*05*,19
12104	53.3	−39	14	7.3	7.25	4476,4478,4487	02,*03*,02
4542	53.4	− 5	25	7.5	*7.62*		▲ . .
4478	53.4	−22	27	7.3	7.14	3729,3802	*10*,10
12064	53.4	−37	24	7.4	6.98	4102,4476,4478	15,*07*,*07*
3617	53.5	+20	21	7.5	*7.60*		▲ . .
3309	53.5	+15	26	7.3	*7.99*		▲ . .
4632	53.5	− 9	46	8.8	*3.52*		11, . *12*
1995	53.6	+56	0	6.5	*6.00*		. . ▲
12390	53.6	−38	21	8.0	7.85	4102,4478,4487	12,*02*,*09*
2995	53.7	+33	25	6.3	6.78	4162,4164,4165	02,04,*05*
4543	53.7	− 5	2	7.3	*7.55*		▲ . .
13731	53.7	−23	48	5.4	4.80	3802,4102,4478	*07*,10,*04*
2626	53.8	+45	1	6.7	6.84	4063,4101	*02*,03
2988	53.8	+37	46	6.5	6.96	4091,4162,4164	21,*21*,00
2979	53.8	+36	51	7.3	7.36	4091,4162	19,*18*
3374	53.8	+14	31	6.5	*7.29*		▲ . .
3375	53.8	+14	36	7.8	*8.39*		▲ . .
667	53.9	+76	59	5.2	5.07	3737,3738,4462	*07*,*12*,18
2627	53.9	+45	23	6.3	*6.22*		*05*, . 05
3112	53.9	+35	42	7.0	7.69	4162,4164,4165	*01*,00,01
3156	53.9	+29	16	4.0	*3.74*		. . ▲
4484	53.9	−22	33	7.5	7.15	3729,3802	*05*,05
12094	53.9	−36	57	8.2	7.90	4102,4173,4476	09,*44*,36
13736	54.0	−24	16	7.2	*6.72*		. ▲ .
4940	54.1	−20	20	6.5	6.48	3729,3802,4076	*05*,*06*,10
3378	54.2	+14	51	7.0	*7.14*		▲ . .
740	54.3	+74	36	6.8	6.84	4163,4164	06,*06*
2282	54.3	+51	30	2.2	*2.48*		. . ▲
2629	54.3	+45	53	6.4	6.72	4063,4101	11,*10*
4384	54.3	− 4	48	5.8	*6.10*		07, . *08*
2563	54.4	+47	14	7.5	7.82	3780,3784	00,01
3017	54.4	+32	41	6.7	6.54	4162,4164,4165	*05*,01,05
3045	54.5	+38	6	7.5	8.10	4091,4162	28,*27*
4678	54.5	−16	4	7.3	7.54	3740,3772	02,*03*
3589	54.6	+ 6	25	7.2	7.07	3755,3758,3766	*12*,*01*,13
12403	54.6	−38	4	7.5	6.67	4476,4487,4506	10,*28*,17
1710	54.7	+61	25	6.8	7.18	3738,3762	08,*09*
3098	54.7	+30	11	4.5	*4.33*		. . ▲
4890	54.8	−12	59	7.3	7.36	3772,3774	*15*,15
2605	54.9	+48	19	7.3	7.92	3780,3784,4063,4101,4163,4164,4478,4493,4506	*12*,52,20,*08*,*15*,09,*33*,05,*18*
2851	55.0	+43	26	7.2	6.88	3780,3784,4063	*24*,29,*04*
2985	55.0	+36	53	7.0	7.49	4091,4162,4164	12,*10*,*03*
12115	55.1	−36	22	6.5	6.28	4103,4173,4467	*35*,10,26
3116	55.2	+35	39	7.2	7.04	4091,4162	14,*13*
3096	55.2	+30	6	7.7	6.98	4164,4165	11,*10*
3593	55.2	+ 6	34	7.5	6.68	3755,3758,3766	*26*,13,13
3832	55.2	+ 0	38	7.1	6.29	3755,3766,4158	*21*,01,19
4217	55.2	− 3	41	5.2	*4.58*		. . ▲
2986	55.3	+36	17	6.0	*6.00*		. . ▲

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3570	55.3	+ 4 23	5.3	*4.80*		. *03*,02
3555	55.4	+ 8 52	7.0	*7.12*		. A .
12123	55.4	−36 21	8.0	7.32	4173,4476	*20*,20
1586	55.5	+62 37	7.0	7.22	3738,3762	*01*,02
1587	55.5	+62 38	7.2	7.70	3738,3762	*08*,08
1925	55.6	+54 41	7.5	*7.61*		A . .
3335	55.6	+16 46	4.9	*4.80*		. 04,*04*
3458	55.6	+ 2 56	4.0	*3.88*		. *03*,02
4987	55.6	−17 10	6.0	*6.52*		. . A
564	55.7	+79 21	7.5	7.40	3737,3738	08,*09*
4529	55.7	− 2 34	7.3	7.62	3772,3774	*13*,12
2119	55.8	+52 14	6.8	7.71	3771,3780,3784	*09*,*16*,24
4503	55.8	−22 46	6.0	*5.72*		. 04,*04*
616	56.0	+78 20	6.5	6.38	3737,3738,3738	07,*14*,07
2635	56.0	+45 28	6.4	*6.30*		10, . *10*
3534	56.0	+ 9 34	7.0	*7.17*		05,*05*, .
3597	56.0	+ 6 16	7.0	6.24	3755,3758,4455	*16*,*03*,18
4800	56.0	−19 6	7.0	7.28	3740,3772	11,*10*
668	56.1	+76 1	7.5	*7.12*		A . .
958	56.1	+69 38	6.7	7.01	4163,4164	15,*15*
3494	56.1	+19 31	6.5	6.40	4165,4166	*03*,04
3401	56.1	+17 7	7.5	7.55	3755,3766	*05*,05
12601	56.1	−25 19	7.3	R		
12759	56.1	−33 53	7.5	7.11	4074,4076,4077,4103,4506	*05*,05,00,00,*01*
2882	56.4	+28 45	7.5	7.37	4115,4163,4164	*07*,*03*,11
3327	56.4	+15 7	6.5	*6.31*		03,11,*14*
4510	56.4	−22 54	8.0	7.12	4076,4076,4103,4103	*01*,02,*08*,05
13783	56.5	−24 15	8.3	6.87	3729,3802,4076	11,10,*21*
3387	56.6	+14 8	7.3	7.97	3731,3755	11,*11*
12302	56.6	−27 49	7.4	6.68	4076,4103,4487	*14*,*06*,19
2861	56.7	+43 14	6.5	6.95	3780,3784,4063	*19*,14,04
3560	56.7	+ 1 19	4.5	*4.46*		. 06,*07*
4902	56.7	−12 18	7.5	7.82	3772,3774	03,*04*
4952	56.7	−20 44	6.5	*6.85*		A . .
13793	56.7	−24 17	5.9	5.46	3729,4103,4487	08,*14*,07
3165	56.8	+29 34	7.5	*7.16*		A . .
818	56.9	+72 1	6.0	5.64	3738,4163,4462	*17*,20,*03*
3006	56.9	+33 14	5.5	*6.00*		. . A
3315	56.9	+11 18	7.5	*6.96*		. A .
4516	57.0	−22 43	7.3	*6.59*		. 14,*14*
2638	57.1	+45 31	6.0	*5.95*		12, . *12*
3280	57.2	+21 36	4.2	*4.28*		. . A
4225	57.2	− 3 9	6.5	6.72	3772,3774,4092	*01*,*02*,02
12724	57.2	−26 19	7.4	7.14	3729,4076	04,*03*
3256	57.3	+22 46	7.5	7.58	3781,4114	12,*11*
4560	57.4	− 5 21	7.0	6.74	3774,4170,4455	00,01,00
3404	57.5	+25 30	7.2	*7.56*		A . .
3307	57.5	+24 15	7.5	7.20	3781,4163	10,*11*
5001	57.5	−17 36	7.0	7.10	3740,3772	*05*,04
3106	57.6	+30 39	7.0	7.09	4162,4164,4165	*20*,18,03
4549	57.6	− 8 11	4.8	4.84	3772,3774,4455	*12*,*10*,22
12416	57.6	−34 3	7.5	6.97	4074,4076,4077	03,*11*,07
647	57.7	+75 10	7.0	6.51	4163,4164	03,*03*
4548	57.7	− 8 20	7.3	7.63	3772,3774	*03*,03
13814	57.7	−24 22	6.1	*5.96*		. 20,*19*
3259	57.8	+22 28	7.2	7.46	3781,4114	03,*02*
3009	57.9	+33 20	6.0	*6.17*		. . A
4533	57.9	−22 50	7.4	6.86	3729,3802,4103	19,01,*20*
3649	58.1	+20 50	5.2	*5.10*		. . A
12229	58.1	−35 54	6.4	5.75	4074,4098,4103	04,21,*25*
2125	58.2	+52 51	7.2	7.66	3771,3780	*08*,09
2643	58.3	+45 21	7.0	*7.44*		A . .
3260	58.3	+22 56	6.7	6.25	3781,4114,4472	18,*10*,*07*
3347	58.3	+16 49	7.5	7.46	3731,3755	14,*14*
2572	58.4	+47 23	6.5	7.26	3780,3784	*26*,27
3151	58.4	+26 22	7.3	7.10	4115,4163	*04*,03
4642	58.4	− 9 14	7.0	8.10	3772,3774	*07*,07
12146	58.4	−37 43	7.5	7.38	4103,4173,4476	R,*05*,05
2621	58.5	+48 29	6.8	7.18	3780,4101,4163,4164,4506	*06*,*10*,10,21,*16*
3263	58.5	+40 11	7.5	*7.82*		A . .
5005	58.5	−17 21	7.3	7.30	3740,3772	08,*07*
3567	58.6	+ 8 25	7.0	6.98	3755,3758,4158,4455	*05*,*11*,00,17
12669	58.6	−25 37	7.5	7.01	3729,4103,4487,4506,4507	17,*47*,09,08,16
1237	58.7	+64 9	7.0	6.89	3762,3771,4163	*06*,*14*,21
12153	58.7	−37 28	7.4	6.78	4103,4173,4476	*04*,*09*,12
1798	58.8	+60 28	7.5	*7.91*		A . .
3111	58.8	+30 38	6.7	6.76	4162,4164	*09*,08
3506	58.8	+19 42	7.8	7.98	4185,4187	*12*,12
4598	58.8	−10 54	7.4	7.58	3772,3774	03,*02*
3508	58.9	+19 35	6.5	6.46	4165,4166,4185,4187	*06*,04,10,*10*
3509	59.0	+19 38	7.0	7.08	4183,4185,4187	08,05,*12*
13864	59.0	−24 24	7.5	6.79	3729,3802,4077	*01*,00,02
3397	59.1	+14 5	7.5	7.64	3731,3755	10,*10*
2576	59.3	+47 52	7.2	7.44	3780,3784,4063,4101,4163,4478,4491,4493	08, R,19,*14*,*01*,*11*,04,*04*
14467	59.3	−29 17	7.5	7.03	3729,4077,4103	08,01,*09*
15215	59.4	−30 26	2.8	3.15	3731,3737,3775,3783,4157	*13*,*19*,09,10,15
2870	59.5	+43 16	7.0	7.46	3780,3784,4063,4101,4163,4478,4491,4493	*21*,50,07,*33*,00,*18*,*04*,22
1399	59.6	+63 32	6.8	7.10	3762,3771	*02*,02
2052	59.6	+56 58	8.2	7.36	3771,4063	15,*14*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.							DM.	Phot.		
	m.	°	′						m.	°	′				
2812	59.6	+44	15	6.5	*7.22*		A . .	2968	1.9	+41	56	6.3	6.42	3780,3784,4101,	03,47,*42*,
3002	59.6	+36	7	7.2	7.94	4091,4162	12,*13*							4164,4478,4491,	*11*,*15*,01,
3578	59.6	+ 1	55	6.5	6.09	3755,4158,4165,	*17*,*14*,*14*,							4493	15
						4166,4183	02,42	3047	2.1	+32	14	6.0	*5.87*		. . A
15090	59.6	−31	34	7.5	7.85	4077,4458,4487	*07*,02,04	3327	2.1	+24	25	7.0	6.94	4114,4115,4163	*03*,10,*08*
12214	59.6	−36	2	6.4	5.84	4074,4098,4458	*23*,*06*,30	4652	2.1	− 9	12	7.3	7.74	3774,3774,3776	08,00,*07*
B	59.6	−43	26	. .	4.93	3729,3731,4097	*10*,*01*,12	5028	2.1	−17	10	5.7	*5.67*		. . A
4832	59.7	−19	45	6.9	*6.79*		A . .	2019	2.2	+55	16	7.2	*7.61*		A . .
2302	59.9	+51	38	7.0	7.24	3771,3780	08,*08*	2652	2.3	+45	41	7.5	8.06	3780,3807	01,*02*
3160	59.9	+26	39	7.0	7.00	4115,4163,4164	*23*,11,11	12453	2.3	−27	53	7.5	7.14	4077,4098,4103	*02*,07,*04*
4529	59.9	−11	1	6.8	7.27	3772,3774	11,*11*	3626	2.4	+ 6	41	7.5	7.19	3752,3755	04,*04*
12393	0.0	−27	30	8.0	7.20	3729,4077	04,*04*	3493	2.4	+ 2	28	7.1	6.64	3752,3755,4158	10,*05*,*06*
3113	0.1	+30	24	6.7	6.82	4162	A	3582	2.5	+ 8	43	5.0	*4.68*		. 04,*03*
621	0.3	+78	41	7.4	7.45	3737,3738	04,*04*	3627	2.5	+ 6	32	7.5	7.88	3752,3755	05,*06*
3142	0.4	+35	59	7.0	7.58	4091,4162,4164	25,*34*,10	4799	2.5	−18	34	7.4	7.60	3740,3772	25,*25*
3482	0.4	+ 2	31	4.0	4.10	3354,3752,4158,	T,*01*,*07*,	15290	2.5	−30	0	7.2	7.02	4077,4103,4182	*11*,*18*,30
						4165,4166,4470,	01,*07*,02,	15155	2.5	−31	10	8.0	7.69	4097,4097,4103,	26,*06*,*09*,
						4493,4506	10,03							4182	*11*
2627	0.5	+48	28	6.2	*6.06*		. 04,*03*	3564	2.6	+ 9	33	3.3	*3.68*		. *03*,02
4556	0.5	− 8	7	7.2	6.97	3774,3776,4092	06,*08*,02	4866	2.6	−21	28	6.8	6.58	3802,4077,4103	06,*10*,03
3254	0.6	+23	56	7.1	6.25	4114,4115,4472	00,*03*,03	12463	2.6	−27	48	7.6	7.40	4077,4098	*01*,01
3356	0.6	+16	55	7.0	7.22	3354,3731	*06*,05	12265	2.6	−36	41	6.7	6.48	4103,4157,4182	*13*,01,12
2965	0.7	+41	21	7.5	8.27	3780,4101,4101	25,*26*,02	3015	2.7	+37	46	7.5	7.84	4166,4171	*11*,11
2948	0.7	+27	6	7.5	7.16	4115,4163	*05*,06	4564	2.7	− 7	8	7.2	7.53	3774,3776	*04*,04
3589	0.7	+ 4	40	7.2	6.71	4158,4166	03,*03*	12793	2.7	−25	29	7.2	6.27	4077,4077,4103,	01,12,00,
4558	0.7	− 8	20	6.1	5.82	3776,4170,4455	*17*,11,05							4122	*14*
4789	0.8	−18	59	7.3	7.83	3740,3772	*08*,08	3363	2.8	+15	13	7.4	*7.44*		A . .
3310	0.9	+39	29	7.0	7.46	4091,4164,4165	*02*,15,*12*	12882	2.8	−33	15	7.7	7.66	4097,4182,4458	06,*01*,*06*
3267	0.9	+22	54	7.3	7.30	4114,4115	*02*,03	2727	2.9	+49	20	7.5	7.43	3775,4491,4493	05,*08*,03
4395	0.9	− 4	46	6.0	*5.98*		02, . *03*	3265	2.9	+23	23	7.5	7.20	4114,4115	05,*05*
4884	0.9	−14	58	7.5	*7.81*		A . .	3365	2.9	+15	55	6.5	6.81	4166,4173	*09*,09
1781	1.0	+58	38	6.5	6.67	3750,3771,4101	04,14,*17*	3567	3.0	+ 9	50	7.1	*6.54*		A . .
3414	1.0	− 0	27	6.5	6.40	4092,4170	*12*,12	4403	3.0	− 4	35	7.5	*8.10*		A . .
3383	1.1	+12	0	7.5	*6.46*		. A .	12474	3.0	−27	45	7.3	7.36	4077,4098	*08*,07
2061	1.2	+56	23	7.2	7.07	3750,3771	*12*,12	3498	3.1	+ 2	12	6.8	6.53	3752,3755,4158	11,*06*,*04*
3019	1.2	+33	16	7.2	7.64	4164,4165	03,*03*	12862	3.1	−26	7	7.7	7.47	4098,4103,4122	03,00,*03*
4855	1.2	−21	27	6.4	6.22	3802,4077,4098	10,*04*,*06*	2308	3.2	+51	56	6.7	6.93	3750,3775,4101	*12*,08,04
1233	1.3	+65	57	7.0	7.64	3762,3771	18,*17*	3286	3.2	+40	22	7.0	*7.02*		A . .
2416	1.3	+46	26	7.3	7.98	3780,3784	*25*,24	3128	3.2	+30	33	5.0	5.26	4091,4472,4474	04,*11*,06
3300	1.3	+21	38	7.5	6.43	4114,4115,4472	21,*17*,*05*	3529	3.2	+13	3	6.7	*6.46*		. A .
2996	1.5	+42	51	6.8	7.49	3780,3784	*26*,26	4558	3.4	− 2	55	6.5	6.85	3774,3776,4092	00,*11*,10
3276	1.5	+40	5	6.5	6.60	4164,4165	*06*,06	4541	3.4	−11	45	7.1	7.78	3774,3776	09,*09*
3802	1.6	+21	26	7.5	6.92	4114,4115,4472	08,*05*,*02*	13814	3.4	−32	44	7.0	6.55	4097,4103,4182	*02*,*12*,15
2062	1.7	+56	54	7.5	7.64	3750,3771	*13*,13	2025	3.5	+55	5	7.2	*7.96*		A . .
4237	1.7	− 3	15	7.0	6.91	3774,3776,4092	01,*03*,03	3175	3.5	+26	24	7.4	7.31	4115,4163	*01*,01
2998	1.8	+42	57	7.4	7.20	3780,3784,4101,	*12*,50,*21*,	13817	3.5	−32	10	7.7	7.56	4097,4103,4182	06,04,*10*
						4163,4164	*12*,*06*	2728	3.6	+49	28	7.3	*7.73*		. . A
3273	1.8	+22	13	5.2	*5.27*		. . A	3126	3.6	+34	50	7.5	*7.42*		A . .
14174	1.8	−28	28	5.4	4.73	3729,4097,4098,	03,*07*,06,	2925	3.6	+28	45	3.9	*3.67*		. . A
						4182	*01*	15316	3.6	−30	45	5.9	5.41	3731,3775,3783,	*14*,*16*,22,

18$^{\text{h}}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4103,4462,4539	*07*,09,08
2638	3.8	+48 50	7.3	7.96	3780,3807	03,*03*
3178	3.8	+26 5	5.9	5.41	4163,4472,4474	04,*03*,*02*
4810	3.8	−18 52	7.3	7.50	3740,3772	*07*,07
2426	3.9	+46 16	7.2	7.46	3780,3807	*02*,02
3504	3.9	+ 2 13	7.8	7.24	3752,3755	05,*06*
3604	3.9	+ 1 58	7.0	6.90	3752,3755,4158	23,*11*,*12*
1404	4.0	+63 47	7.3	7.39	3762,3771	03,*03*
4863	4.0	−13 57	6.3	6.50	3772,3774,3776	11,05,*16*
14005	4.0	−23 48	8.5	7.64	3802,4077,4122,4122,4138,4138,4157,4157,4165	*10*,18,*23*,*12*,12,15,01,03,*08*
12491	4.0	−41 23	6.0	5.79	3729,3731,3737,4097,4507	*05*,*06*,*03*,00,12
3427	4.1	+14 16	6.5	6.31	3354,3731,4470	05,*01*,*06*
12913	4.1	−33 56	7.5	7.31	4097,4183,4467	*13*,*33*,46
4545	4.2	−11 45	6.8	7.63	3772,3774	*08*,08
1837	4.3	+57 20	7.4	7.06	3750,3775	05,*06*
4582	4.3	− 5 40	7.5	7.33	3774,3776	17,*17*
3133	4.4	+30 59	7.5	*7.32*		. 24,*25*
3674	4.4	+20 48	4.2	*4.16*		. . A
12884	4.4	−26 3	7.7	7.28	4077,4098	*06*,06
12917	4.4	−33 49	6.5	6.18	4097,4182,4183	*05*,*10*,14
269	4.5	+86 37	4.5	*4.49*		*04*, . 04
2525	4.5	+50 49	6.5	6.28	4101,4163	*10*,09
2892	4.5	+43 27	5.2	5.15	3780,3807,4491	*01*,35,*34*
2732	4.6	+49 42	6.5	*6.30*		*08*, . 07
3027	4.6	+36 23	5.9	*5.70*		. . A
3675	4.6	+20 1	5.5	*5.27*		10, . *10*
3610	4.6	+ 3 58	6.2	5.63	3752,3755,4470	33,*24*,*08*
2988	4.7	+41 42	7.0	7.68	3780,3784,4101,4163,4491,4493,4506	*24*,41,*16*,00,06,*09*,00
3327	4.8	+39 54	6.8	*7.62*		A . .
3342	4.8	+24 56	7.4	6.75	4114,4115,4472	03,18,*22*
3404	4.8	+12 23	7.5	7.98	3354,3731	05,*04*
3612	4.8	+ 3 11	8.0	7.30	3755,3758	12,*13*
3613	4.8	+ 3 6	6.5	5.74	3758,4158,4470	07,09,*15*
4736	4.8	−16 46	7.3	7.58	3740,3772,3774	03,*03*,00
12844	4.8	−25 47	7.1	6.89	4098,4122,4467	01,*26*,26
12924	4.8	−33 21	7.7	7.49	4097,4103,4182,4182	*18*,08,14,*03*
3295	4.9	+40 54	7.1	7.41	4166,4170	*10*,10
3639	4.9	+ 6 11	7.0	7.13	3755,3766	*10*,10
12357	5.0	−35 3	7.5	6.95	4098,4157,4183	*07*,*15*,21
1240	5.1	+65 42	6.8	*7.70*		A . .
1241	5.2	+65 3	7.3	*7.40*		A . .
4548	5.2	−11 2	7.3	7.72	3772,3774	*06*,07
1077	5.3	+66 56	6.5	6.87	3762,3771,4163	*22*,15,07
4886	5.3	−19 52	6.7	6.33	4092,4170	*05*,05
2829	5.4	+44 6	6.9	6.70	4101,4163	*16*,16
3138	5.4	+30 26	7.2	6.61	4166,4170	*12*,12
3190	5.5	+29 56	7.2	*7.01*		A . .
12573	5.5	−34 6	7.3	7.11	4097,4182,4183	00,14,*14*
12322	5.5	−39 22	7.5	6.96	4098,4157,4183	02,05,*06*
3620	5.6	+ 3 18	6.0	5.72	3758,3766,4470,	*13*,14,00
14047	5.6	−23 43	5.7	5.25	3802,4165,4467	*11*,*14*,24
14268	5.6	−28 56	7.1	6.38	4122,4165,4467	*18*,*26*,45
3390	5.7	+16 27	6.0	6.11	3731,4166,4470,4470	06,*09*,04,00
3578	5.8	+ 7 36	7.5	7.44	3755,3758	*07*,08
4554	5.9	−11 20	7.2	7.46	3772,3774	*05*,04
5027	6.0	−20 27	7.5	*7.17*		A . .
12330	6.0	−39 11	7.3	7.23	4098,4157,4183,4467,4487,4506	*14*,*10*,53,09,*07*,*29*
2589	6.1	+47 6	7.5	8.22	3780,3807	*06*,06
4586	6.1	− 5 14	6.3	6.52	4092,4170	05,*05*
1245	6.2	+64 12	7.0	6.81	3762,3771,4163	10,06,*17*
1789	6.2	+58 58	7.5	8.04	3750,3775	15,*15*
12534	6.2	−41 22	5.9	5.32	3729,3731,3737,4507,4539	*07*,01,01,05,02
14282	6.3	−28 16	8.0	7.37	4098,4467,4487	*41*,49,*08*
3095	6.4	+38 28	6.7	6.40	4091,4166,4170,4171	26,*12*,07,*23*
3582	6.4	+18 28	7.2	7.20	3354,3731	06,*07*
4895	6.4	−19 28	7.3	7.14	3740,4092,4170	08,*09*,01
1791	6.5	+59 0	7.5	8.08	3750,3775	*08*,08
3039	6.5	+36 26	6.0	*5.87*		. . A
4566	6.5	− 2 45	7.5	7.23	3774,3776	19,*19*
655	6.6	+75 47	6.5	6.71	4163,4164	02,*02*
3336	6.6	+39 51	7.4	*8.02*		A . .
4589	6.6	− 5 39	7.0	7.01	3774,3776,4092	18,*21*,03
4571	6.6	− 8 45	7.0	7.04	3774,3776	06,*07*
4752	6.7	−16 24	7.5	7.34	3740,3772	*03*,04
1245	6.9	+65 52	7.5	7.72	3762,3771	06,*06*
3168	6.9	+35 9	7.3	7.06	4091,4166	07,*08*
4571	7.0	− 7 19	7.1	7.58	3774,3776	19,*18*
14072	7.0	−23 9	7.4	*7.39*		. A .
1840	7.1	+57 57	7.1	7.36	3750,3775	*02*,01
15265	7.1	−32 0	7.1	6.64	4097,4098,4186	14,*20*,05
294	7.2	+85 41	7.5	*7.50*		A . .
12600	7.2	−38 26	7.5	7.14	4098,4157,4183	*04*,01,04
2531	7.3	+50 22	7.0	*7.02*		A . .
2649	7.3	+48 22	7.3	7.99	3780,3807	16,*16*
3453	7.4	+25 32	7.2	6.84	4115,4138,4472	03,02,*04*
3610	7.4	+ 8 12	7.0	7.24	3755,3758	*16*,15
570	7.5	+79 59	6.5	*6.07*		A, R, R
571	7.5	+79 59	6.5	*5.86*		A, R, R
3198	7.5	+29 53	7.5	*7.36*		A . .
3528	7.7	+ 2 47	6.8	6.53	3752,3755,4158	02,*08*,05

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
272	7.8	+87 0	6.0	*5.85*		05, . *05*	3113	9.8	+38 45	6.0	*5.87*		. . A
4908	7.8	−21 5	4.0	*3.98*		. 08,*08*	15331	9.8	−31 21	7.5	7.19	4097,4182,4183	09,03,*12*
2323	7.9	+51 53	7.5	8.10	3750,3775	*03*,02	1813	9.9	+60 23	6.2	6.33	3750,3814,4491	08,09,*17*
2839	7.9	+44 34	7.0	6.96	4101,4163	*15*,14	2750	9.9	+49 5	7.4	7.84	3780,3807	07,*06*
3343	7.9	+39 4	6.9	6.80	4091,4166	11,*10*	3013	9.9	+41 29	7.0	7.66	3780,3784	*16*,17
4415	7.9	− 4 3	6.8	6.48	4092,4170	00,*01*	678	10.1	+76 7	7.2	*7.62*		A . .
4874	7.9	−15 38	7.5	7.06	3740,3772	05,*06*	2161	10.1	+52 42	7.3	7.80	3810,3814	10,*09*
1051	8.0	+67 23	7.5	7.72	3762,3775	01,00	5094	10.1	−17 39	7.5	7.22	3740,3776	12,*13*
3422	8.0	+12 22	7.1	7.27	3354,3731	*14*,14	4608	10.2	− 5 30	7.0	7.21	3774,3776	03,*03*
3044	8.1	+33 26	6.1	5.89	4115,4472,4474	*03*,11,*07*	2960	10.3	+28 12	6.8	6.90	4114,4115,4138	*01*,08,*06*
3532	8.1	+ 2 57	7.1	6.61	3752,3755,4158	24,*20*,*05*	12650	10.4	−38 13	7.3	6.79	4157,4182,4183	*13*,03,09
3461	8.1	− 1 45	7.3	7.26	3774,3776	20,*21*	2918	10.5	+43 19	7.4	7.70	3780,3784	*10*,10
3199	8.2	+31 22	5.0	*5.17*		. . A	4257	10.5	− 3 23	7.5	7.32	3774,3776	25,*24*
3481	8.2	+18 0	7.5	7.80	3354,3731	06,*06*	4573	10.5	−11 12	7.5	7.51	3772,3776	03,*03*
2072	8.3	+56 14	7.5	7.50	3750,3775	*03*,03	5068	10.6	−20 35	7.3	*7.07*		. A .
4916	8.3	−21 45	6.8	*5.64*		. 01,*02*	4259	10.7	− 3 39	6.6	6.28	3774,3776,4487	03,*10*,07
1950	8.4	+54 15	6.0	*6.03*		. . A	12658	10.7	−27 45	7.3	6.70	4122,4165,4467	*15*,*25*,40
3358	8.4	+24 26	7.5	7.06	4114,4115	*02*,01	2679	10.8	+45 39	7.5	7.46	3807,3810	*05*,04
3048	8.5	+33 15	7.3	7.12	4166,4170	*20*,20	3213	10.8	+29 12	7.0	6.49	4114,4115,4138	*17*,16,01
R	8.6	−44 14	. .	5.70	3729,4507,4539	*07*,07, R	12423	10.9	−36 47	3.0	3.38	3737,3762,3781,	*09*,*13*,14,
2328	8.7	+51 43	7.0	7.21	3750,3775,4101	01,*12*,10						3783,4097,4157,	03,00,13,
3303	8.7	+22 48	7.5	7.10	4114,4115	09,*09*						4174,4183,4462,	04,11,*33*,
14714	8.7	−29 51	6.8	6.84	4098,4122,4165	07,*17*,10						4517	10
3405	8.8	+16 14	6.5	6.72	3354,3731,4166	14,*04*,*11*	3547	11.1	+ 2 22	6.3	6.31	3752,3753,4158	*01*,*04*,05
3379	8.8	+11 51	6.9	*6.76*		. A .	14407	11.1	−28 42	6.6	6.04	4098,4122,4165	*06*,00,05
12632	8.8	−34 38	7.3	6.85	4097,4098,4182	*10*,11,00	14408	11.1	−28 19	6.7	6.26	4098,4122,4165	01,*03*,01
12422	8.8	−35 4	7.7	7.33	4098,4157,4183	*03*,*07*,11	13052	11.2	−33 26	6.7	6.82	4097,4098,4183	11,*08*,*03*
1727	8.9	+61 52	7.0	7.08	3762,3775	03,*02*	5112	11.4	−17 24	6.0	5.87	3352,3740,3776	11,11,*22*
3438	8.9	+10 47	7.5	7.20	3354,3731	03,*02*	3056	11.5	+37 23	7.5	8.33	4091,4187,4195	08,*08*,*01*
3537	8.9	+ 2 22	6.8	6.61	3752,3753,4158	16,*21*,05	4263	11.6	− 3 2	6.5	6.11	3774,4092,4170	*03*,*09*,12
2652	9.0	+48 17	6.5	6.87	3780,3807,4491	13,04,*18*	4886	11.6	−18 30	6.7	6.45	3352,3772,4487	20,*21*,02
3347	9.0	+21 51	7.0	6.25	4114,4115,4138	*05*,12,*08*	12682	11.6	−27 23	7.4	7.30	4098,4122	06,*06*
3049	9.1	+33 47	7.4	9.49	4166,4170,4171,	11, R, R,	1087	11.7	+66 7	7.1	7.34	3737,3762	02,*01*
					4171,4493,4493,	*18*,24,03,	3634	11.8	+ 8 20	7.3	7.75	3752,3753	02,*02*
					4507,4539	*25*,03	4953	11.8	−19 43	7.6	*7.59*		A . .
13014	9.1	−33 8	7.5	6.87	4097,4098,4182	00,*05*,06	12684	11.8	−27 5	5.1	*4.68*		. *07*,06
12429	9.1	−35 40	7.5	7.26	4157,4183,4186	18,*10*,*08*	12418	11.8	−37 16	7.7	7.49	4098,4182,4183	*10*,*04*,14
12388	9.1	−36 37	7.5	6.82	4098,4157,4183	*21*,13,07	4678	11.9	− 9 48	6.2	*6.30*		11, . *10*
4889	9.2	−15 26	7.1	*7.30*		A . .	4911	11.9	−15 28	6.7	6.54	4092,4170	04,*03*
5054	9.3	−20 46	5.8	*5.33*		07, . *07*	12687	11.9	−34 44	7.3	6.78	4097,4098,4183	*09*,20,*10*
5055	9.3	−20 25	6.5	*5.94*		03, . *03*	3162	12.0	+30 22	7.1	*6.98*		A . .
1052	9.4	+67 59	7.5	7.97	3762,3775	15,*15*	3907	12.0	+ 0 58	6.8	6.40	4158,4166	04,*05*
3195	9.4	+26 12	7.0	7.35	4114,4115,4138	10,03,*14*	4888	12.0	−18 51	7.3	6.62	3352,3772,3781,	13,06,04,
3892	9.4	+ 0 9	7.5	*7.88*		A . .						3788	*21*
3011	9.5	+41 8	5.8	*6.16*		. . A	4974	12.3	−12 54	7.3	7.33	3772,3781,3783	*15*,*02*,16
2655	9.6	+48 6	7.5	7.60	3780,3807	03,*03*	2758	12.4	+49 7	6.7	*6.90*		A . .
4771	9.6	−16 52	7.3	7.44	3740,3772	*01*,02	3289	12.4	+23 22	7.5	7.48	4114,4115,4163	*04*,*03*,07
2158	9.7	+52 18	7.4	7.54	3750,3810	13,*14*	3446	12.4	+12 2	6.9	7.13	3354,3731	00,00
3705	9.7	+20 15	7.4	*7.50*		A . .	681	12.5	+77 34	7.5	7.46	3737,3762	*15*,15
4864	9.7	−18 42	6.8	6.08	3740,3772,4092	*07*,06,02	3035	12.5	+42 8	5.5	5.70	3784,4163,4491	22,*01*,*20*

18^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′			.			m.	° ′				
4980	12.5	−12 17	7.3	7.34	3772,3781,3783	03,00,*02*	12457	14.1	−37 32	6.9	*6.50*		. . A
12995	12.5	−25 39	6.9	6.43	4098,4122,4165	25,*21*,*05*	2761	14.3	+49 3	7.2	7.47	3807,3810	03,*03*
2684	12.7	+45 10	6.2	*6.30*		07, . *08*	3629	14.3	+ 7 13	5.8	5.56	3352,4158,4470	*02*,18,*17*
4583	12.7	− 8 40	7.2	7.79	3774,3776	*05*,05	4596	14.3	−11 20	7.5	7.45	3772,3781,3783	*09*,13,*05*
4896	12.7	−18 39	7.3	6.41	3772,4170,4487	03,*01*,*01*	13103	14.3	−38 23	7.4	6.99	4097,4182,4183	*05*,12,*08*
2604	12.9	+47 32	7.2	7.51	3807,3810	06,*06*	12497	14.3	−39 4	7.3	6.70	4157,4182,4183	*12*,07,06
2080	13.0	+56 34	7.0	6.41	3750,3775,4101	22,*09*,*13*	4927	14.4	−15 52	5.7	*5.66*		10, . *10*
2549	13.0	+50 57	7.5	7.70	3810,3826	11,*12*	3467	14.5	+12 9	6.8	6.93	3352,3354,4166	01,10,*11*
4904	13.1	−18 34	8.7	7.65	3352,3740,3772	00,*08*,07	4626	14.5	− 5 0	7.5	*7.80*		A . .
1960	13.2	+54 7	6.6	6.77	3823,3826	09,*09*	3334	14.6	+40 17	7.2	*7.17*		A . .
3415	13.2	+11 51	7.1	7.02	3354,3731	11,*12*	3486	14.6	+14 32	7.5	*8.09*		A . .
1252	13.3	+64 22	5.0	5.08	3729,3737,3738,	*24*,*19*,*43*,	3469	14.6	+12 30	7.3	7.34	3352,3354	00,*01*
					3750,3755,3766,	*07*,*20*,08,	4692	14.6	− 9 38	7.0	7.04	4092,4170	04,*04*
					3771,3775,3780,	31,*02*,*15*,	14834	14.6	−29 52	2.8	*2.92*		. *05*,06
					3781,3783,3784,	44,*10*,27,	4585	14.7	− 8 2	6.5	6.51	3774,3776,4092	11,*05*,*05*
					3802,3804,3807,	08,26, T,	3426	14.8	+15 47	6.9	7.12	4166,4173	*29*,29
					3810,4067,4074,	31,*39*,02,	*15572*	14.8	−31 0	7.2	6.98	4097,4182,4467	*02*,*03*,05
					4098,4102,4103,	18,*10*,18,	14051	14.8	−32 14	7.3	7.07	4097,4182,4183	03,02,*04*
					4122,4138,4158,	*32*,03,*03*,	757	14.9	+74 19	7.5	7.84	3737,3762,3775	05,*01*,*03*
					4162,4163,4164,	*10*,40,*09*,	3427	14.9	+11 50	7.3	7.34	3352,3354	20,*21*
					4165,4166,4171,	*14*,*25*,02,	3702	14.9	+ 4 27	7.5	8.12	3352,3752	*22*,21
					4173,4174,4182,	09,*07*,10,	13068	15.0	−26 8	7.0	6.69	4122,4165,4182	*10*,00,10
					4455,4458,4464,	*12*,*07*, R,	3381	15.1	+24 24	5.5	5.61	4115,4472,4493	09,*19*,09
					4491,4504,4507,	*24*,01,*13*,	2690	15.3	+45 6	7.2	*7.87*		A . .
					4517,4522,4523,	11,*12*,*13*,	4938	15.3	−15 16	7.2	*7.45*		A . .
					4528,4532,4533,	*05*,05,06,	14219	15.3	−24 58	7.5	*6.36*		. *16*,17
					4539,4542,4544,	*05*,11,28,	12729	15.4	−38 43	6.5	5.15	3762,4462,4477,	14,*06*,*07*,
					4545,4546	14,29						4517	R
3062	13.4	+33 30	7.2	7.07	4166,4170,4171	*05*,09,*05*	985	15.5	+70 47	7.2	7.06	3737,3762	*01*,02
3456	13.4	+12 10	7.5	7.62	3354,3731	*09*,10	2459	15.6	+46 23	6.5	7.04	3807,3826	06,*06*
3593	13.5	+13 44	6.1	*6.18*		. *07*,06	3380	15.7	+39 13	7.5	7.92	4091,4166	04,*04*
3417	13.5	+11 22	7.4	7.38	3731,3752	*01*,00	14495	15.7	−28 29	6.5	6.07	4122,4165,4182	*04*,*12*,17
2551	13.6	+50 30	6.8	*7.22*		A . .	984	15.8	+68 43	6.0	6.18	3762,4170,4462	24,*18*,*07*
12500	13.6	−35 29	7.7	6.72	4098,4157,4183	01,08,*10*	3340	15.8	+40 52	7.5	7.98	4166,4171	18,*18*
4438	13.7	− 4 9	7.5	7.60	3774,3776	02,*02*	3680	15.8	+ 3 20	5.5	4.82	3354,4158	*13*,13
1253	13.8	+64 43	7.0	*7.30*		A . .	3479	15.9	+10 4	7.4	*7.92*		A . .
2081	13.8	+56 51	7.5	7.57	3750,3775	*02*,02	3236	16.0	+29 37	6.5	*6.14*		02, . *01*
2668	13.8	+48 20	6.9	7.61	3807,3810	07,*07*	4693	16.0	−22 59	7.2	7.06	3802,4122	13,*12*
3623	13.8	+18 6	6.4	*5.93*		. . A	3390	16.1	+21 55	6.0	*5.06*		. *01*,01
3461	13.8	+12 56	6.7	*6.56*		. A .	4599	16.1	− 2 55	8	*3.46*		. *03*,02
2060	13.9	+53 15	7.3	7.28	3810,3814	*13*,13	12524	16.1	−36 44	6.0	5.38	3737,3762,3781,	T,*10*,*11*,
15412	13.9	−31 22	7.5	7.38	4097,4098,4183,	*04*,*16*,16,						3783,4462,4467,	29,*38*,42,
					4467,4477	18,*14*						4476,4517	*25*,16
2669	14.0	+48 6	6.7	7.07	3807,3810	*08*,08	1857	16.3	+57 51	7.5	7.56	3750,3775,3810	10,*26*,17
3332	14.0	+40 54	6.0	6.16	4166,4171,4472,	10,*20*,09,	2676	16.4	+48 32	7.2	7.60	3807,3826	11,*11*
					4493,4506	*06*,05	3094	16.4	+36 1	4.7	*4.30*		. . A
3299	14.0	+23 15	7.0	6.72	4114,4115,4138	*06*,06,01	3383	16.5	+39 3	7.4	7.96	4091,4166	17,*16*
5133	14.0	−17 48	7.2	7.06	3740,3781,3783	*02*,*05*,06	3337	16.5	+22 45	7.2	6.69	4114,4115,4472	05,08,*13*
12729	14.1	−27 27	7.3	7.20	4122,4165	*14*,13	3704	16.5	+ 5 24	6.9	*6.04*		. 00,*01*
14823	14.1	−29 7	7.3	7.24	4098,4122	06,*06*	2980	16.6	+28 56	7.0	6.54	4114,4115,4138	*01*,00,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
5013	16.6	−14 26	6.8	*7.26*		A . .	2362	19.2	+51 14	6.8	*6.70*		. . A
4946	16.6	−15 8	7.0	*7.35*		A . .	3350	19.2	+40 20	7.5	*7.77*		A . .
12537	16.7	−36 18	6.2	5.62	3737,3762,3781,	*14*,*09*,05,	3518	19.2	+14 51	7.5	*7.84*		A . .
					3783,4462,4517	18,02,*05*	4598	19.2	− 7 7	6.0	6.51	3776,4170,4487	00,*09*,09
3745	16.8	+20 53	7.5	7.38	4115,4138	03,*04*	4755	19.3	− 6 39	7.0	7.25	3774,3776	*01*,01
4589	16.8	− 7 32	7.0	6.91	3774,3776,4092	05,14,*18*	12802	19.3	−34 0	6.8	6.30	4173,4174,4182	*12*,*11*,23
3003	16.9	+27 29	7.0	7.13	4114,4115,4138	*11*,*05*,15	2194	19.4	+52 51	7.3	7.69	3810,3814	*11*,11
R	17.0	−44 9	. .	5.34	3729,4477,4507	13,*07*,*06*	3402	19.4	+39 13	7.3	7.94	4091,4166	09,*08*
2184	17.1	+52 37	7.5	7.46	3810,3814	04,*03*	3411	19.4	+21 43	4.5	*3.91*		. . A
3241	17.1	+29 48	5.5	*5.50*		. . A	3498	19.4	+10 54	7.3	7.78	3352,3731	06,*07*
2981	17.1	+28 49	4.9	5.04	4115,4472	14,*13*	5134	19.4	−20 35	5.4	*5.00*		00, . 01
3476	17.2	− 1 15	7.1	7.10	3774,3776	08,*07*	15510	19.4	−31 48	7.5	7.15	4097,4183,4186	04,05,*08*
3395	17.3	+25 1	7.5	*6.86*		A . .	2961	19.6	+43 25	7.0	8.06	3780,3784	*02*,01
3657	17.5	+ 7 30	7.0	*7.12*		. A .	5039	19.6	−14 2	6.8	6.76	4092,4170	00,*01*
4673	17.5	−10 16	6.4	6.32	4092,4170	*11*,10	R	19.6	−46 1	. .	3.60	4077,4077	06,*06*
12781	17.5	−34 23	8.0	6.79	4097,4173,4174	*14*,08,06	1263	19.8	+64 9	7.0	7.40	3737,3762	*07*,07
12784	17.5	−34 26	1.8	1.90	3762,3781,4077,	06,*13*,22,	2365	19.8	+51 29	6.8	*6.67*		. . A
					4173,4174,4462,	14,*01*,04,	3769	19.8	+20 23	6.7	6.71	4114,4115,4138	*05*,17,*13*
					4517	*35*	3453	19.8	+15 36	7.3	7.40	3352,3731	*03*,04
989	17.6	+68 42	6.8	6.72	3762,4170,4462	13,*07*,*05*	3486	19.8	− 1 38	6.5	6.11	3774,3776,4092,	09,*12*,09,
2357	17.6	+51 18	6.2	*6.20*		. . A						4170	*06*
3104	17.6	+32 51	7.3	7.40	4166,4171	07,*08*	1066	19.9	+67 23	7.0	7.18	3737,3762	00,00
3400	17.6	+21 27	7.5	6.64	4114,4115,4472	02,*01*,00	2060	19.9	+55 5	7.4	*7.81*		A . .
5024	17.6	−12 3	5.5	5.77	3781,3783,4487	19,*13*,*06*	2962	19.9	+43 53	7.5	8.19	3780,3784	06,*06*
3106	17.7	+32 53	7.4	7.23	4166,4171	*13*,13	3676	19.9	+ 7 10	7.5	7.84	3352,3752	*10*,11
5026	17.7	−12 20	7.3	7.43	3772,3781,3783	*03*,01,01	2474	20.2	+46 18	7.0	7.14	3807,3823	05,*06*
3316	18.0	+23 14	6.5	5.66	4114,4472,4493	*03*,*07*,11	3730	20.2	+ 5 2	7.0	6.55	4158,4173,4470	*03*,28,*24*
3442	18.0	+11 59	6.0	5.80	3731,4166,4470	*12*,30,*17*	15696	20.2	−30 27	7.1	6.74	4097,4173,4183	05,*15*,11
3109	18.1	+32 14	7.5	7.70	4166,4171	*01*,01	3159	20.4	+38 18	7.0	6.83	4091,4166,4171	11,*02*,*10*
14115	18.1	−32 20	7.5	7.23	4097,4182,4183	07,02,*10*	3160	20.6	+38 42	6.5	6.45	4091,4166,4171	09,*19*,10
4712	18.2	− 8 59	5.5	*4.76*		03, . *02*	15538	20.6	−31 26	7.4	7.43	4097,4183,4186	04,*08*,05
3506	18.3	+14 57	7.1	*7.34*		A . .	4970	20.7	−15 41	7.5	7.17	3740,3772	03,*03*
3555	18.4	+17 46	5.2	*5.43*		. . A	12632	20.7	−36 4	7.5	6.83	3823,4157,4183	17,*15*,*02*
2776	18.6	+49 40	6.5	*6.51*		08,*08*, .	3682	20.8	+ 7 59	5.8	5.61	3758,4158,4470	*11*,16,*04*
3478	18.6	+16 38	6.5	6.38	3352,3731,4166	*01*,*03*,05	3410	20.9	+39 27	5.1	*5.14*		. . A
15661	18.6	−30 49	6.0	5.71	3762,3781,4183,	*26*,13,08,	13225	20.9	−33 28	7.3	7.17	4097,4183,4186	04,*20*,16
					4462	06	3016	21.0	+27 20	6.5	6.20	4114,4115,4138	10,*01*,*08*
12589	18.6	−36 2	6.7	6.32	3823,4157,4183	*10*,*01*,10	3931	21.0	+ 0 44	7.0	6.90	3352,3752,4158	00,*02*,01
3085	18.7	+41 10	7.3	7.75	3780,3784,4170	*03*,20,*18*	1979	21.1	+54 22	7.1	7.63	3810,3823	*03*,03
3101	18.7	+36 15	7.2	7.54	4091,4166	07,*06*	2970	21.1	+43 51	6.7	7.05	3780,3784	*08*,08
3760	18.7	+20 55	7.8	7.30	4114,4115	12,*13*	4606	21.1	− 8 15	7.5	7.50	3774,3776	*01*,01
3511	18.7	+14 39	6.3	6.69	4166,4173,4470,	*17*,58,*11*,	4736	21.1	− 9 15	7.5	7.68	3774,3776	*12*,13
					4493,4506	*01*,*27*	3074	21.2	+42 25	6.7	6.69	3780,3784,4807	00,21,*22*
4277	18.8	− 3 38	6.5	6.38	3776,4092,4170	00,*06*,07	3358	21.3	+22 39	7.5	6.72	4114,4115,4472	04,*09*,05
3065	18.9	+42 13	7.3	8.12	3780,3784	*14*,14	3533	21.4	+14 55	6.5	6.46	4166,4173	*23*,24
2782	19.0	+49 4	5.1	*5.08*		. 12,*11*	14965	21.4	−29 53	6.2	*5.81*		. *01*,01
3104	19.0	+36 51	7.3	7.79	4091,4166	12,*12*	3463	21.5	+15 42	7.3	7.40	3731,3752	03,*03*
4459	19.0	− 4 9	7.5	7.54	3774,3776	11,*12*	13184	21.5	−26 41	6.8	6.23	4165,4173,4174	*13*,11,02
4599	19.1	− 8 14	7.2	7.28	3774,3776	*10*,10	12626	21.5	−39 3	6.0	5.62	3823,4183,4462,	16,*05*,*09*,
15667	19.1	−30 18	7.7	7.49	4097,4173,4182	12,*11*,00						4476	00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
12814	21.6	−38 55	8.5	7.60	3823,4157,4183	22,*25*,03
2079	21.7	+53 15	6.5	6.21	3810,3814,4101	13,04,*16*
4611	21.8	− 8 6	6.7	6.55	3774,3776,4092	08,02,*10*
4972	21.8	−15 27	7.3	6.83	4092,4170	00,00
13149	21.8	−25 29	2.7	*2.88*		. *02*,02
13192	21.9	−26 49	6.6	6.28	4165,4173,4174,	*17*,08,*09*,
					4182	16
12818	21.9	−38 5	7.7	7.76	4157,4183,4477	*06*,05,02
3166	22.0	+38 23	7.5	7.12	4091,4166	17,*18*
14382	22.0	−23 3	7.3	7.08	4165,4173	*13*,12
15564	22.0	−31 11	8.0	7.69	4097,4183,4186	09,*02*,*07*
3259	22.1	+29 46	6.1	*5.64*		02, . *01*
5203	22.1	−17 51	6.7	6.03	3740,3772,4092	02,01,*03*
889	22.2	+71 17	4.7	4.28	3352,3729,3737,	08,24,29,
					3738,3740,3750,	07,*34*,15,
					3755,3766,3771,	*05*,*20*,*44*,
					3781,3784,3802,	39,*10*,*03*,
					3804,3810,4067,	*22*,*06*,*15*,
					4067,4074,4076,	*06*,17,*07*,
					4091,4092,4098,	27,*10*,*03*,
					4102,4103,4138,	*10*,00,13,
					4158,4158,4163,	*44*,12,07,
					4165,4166,4171,	*09*,*07*,*07*,
					4173,4174,4182,	16,11,26,
					4185,4455,4456,	28,01,09,
					4458,4467,4477,	*16*,04,*22*,
					4486,4491,4504,	*06*,*17*,*13*,
					4507,4517,4528,	06,*04*,*26*,
					4529,4532,4533,	30,29,*06*,
					4539,4546	*03*,08
3240	22.2	+35 17	7.2	*7.37*		A . .
3769	22.2	+ 6 28	8.6	8.30	3758,3766	*07*,08
3255	22.3	+26 10	7.1	6.88	4114,4115,4472	01,15,*17*
12824	22.3	−38 55	7.3	6.50	3823,4157,4183	20,*30*,10
622	22.4	+81 26	7.2	*7.50*		A . .
3257	22.4	+26 23	6.5	6.96	4472,4506,4507	00,06,*06*
3772	22.4	+ 6 27	8.5	8.12	3758,3766	*01*,02
1809	22.5	+58 45	4.8	4.78	3775,4101,4491	*03*,*02*,04
2484	22.5	+46 50	7.3	7.61	3807,3823	05,*05*
2790	22.7	+49 48	7.2	7.13	3823,4101	26,*26*
2691	22.7	+48 13	7.2	7.73	3807,3823	04,*04*
2692	22.7	+48 42	7.0	7.24	3807,3823	*05*,06
3259	22.7	+26 23	6.1	6.45	4115,4472,4493	01,*23*,21
3716	22.8	+ 3 41	6.7	6.14	3752,3758,4166	23,*01*,*23*
13206	22.8	−26 38	7.0	6.46	4165,4173,4174,	*12*,21,*23*,
					4182	13
14995	22.8	−29 19	7.0	6.77	4165,4173,4174	*12*,09,03
540	22.9	+82 54	7.5	*7.29*		A . .
839	22.9	+72 41	3.8	3.74	3352,3468,3740,	*13*,10,00,
					3750,3752,3762,	10, R,*19*,
					3769,3775,3779,	*06*,*10*,03,
					3781,3783,3802,	28,*15*,*15*,
					3804,3807,3810,	*35*,*26*,*49*,
					3814,3823,3826,	18,*07*,00,
					3833,4076,4077,	19,*16*,28,
					4091,4092,4098,	*02*,03,08,
					4122,4136,4137,	*11*,*17*,*16*,
					4138,4158,4163,	00, T,*06*,
					4164,4166,4170,	17,*11*,10,
					4183,4185,4186,	*09*,11,15,
					4187,4193,4195,	24,17,*07*,
					4196,4456,4467,	*03*,05,05,
					4477,4486,4500,	*06*,02,*20*,
					4528,4529,4533,	*06*,05,*03*,
					4542,4544,4554,	08,16,08,
					4561	47
3206	23.1	+30 54	6.8	*7.36*		A . .
3790	23.1	+ 6 8	6.5	5.60	3766,4166,4470	*02*,00,02
4288	23.2	− 3 56	7.5	8.38	3774,3776	10,*10*
13170	23.2	−25 19	7.6	6.23	4165,4173,4477	*12*,09,03
5071	23.5	−14 38	5.0	*4.74*		*11*, . 11
3425	23.6	+24 37	6.8	6.88	4114,4115	14,*14*
3758	23.6	+ 4 47	7.5	*7.80*		A . .
5025	23.9	−21 1	7.5	7.36	4165,4173	06,*06*
5077	24.1	−14 39	6.8	*5.99*		*13*, . 13
14648	24.2	−28 51	7.4	7.51	4165,4174	*02*,02
12673	24.2	−35 23	8.0	7.51	4157,4186,4187	07,*06*,00
4982	24.3	−18 47	6.5	5.67	4092,4487,4491	*04*,*06*,09
14431	24.4	−23 19	7.3	6.99	4165,4173,4174	07,*02*,*05*
12730	24.4	−36 52	7.1	6.90	3823,4157,4182	10,*07*,*03*
R	24.4	−45 59	. .	4.75	4077,4077	10,*10*
4641	24.5	− 2 3	5.8	*5.35*		. . A
13281	24.5	−33 3	5.8	5.39	3781,4077,4157,	02,*03*,*16*,
					4183,4187,4455,	01,09,*09*,
					4462,4533,4539,	*03*,*05*,05,
					4544	16
412	24.6	+84 37	7.5	*7.38*		A . .
5160	24.6	−20 22	7.5	*7.87*		A . .
12636	24.6	−37 39	7.5	7.58	3823,4157,4182,	01,02,04,
					4183	*07*
1266	24.7	+64 47	7.5	*7.25*		A . .
R	24.7	−43 34	. .	5.70	4456,4477,4507	*14*,*13*,28
R	24.7	−45 49	. .	4.96	4077,4077	00,00
14415	24.8	−24 57	7.5	7.40	4165,4173	*10*,09
12915	24.8	−27 2	8.6	8.83	4165,4182,4522,	*19*, R,19,
					4544	00
3658	24.9	+13 47	6.8	6.89	3731,3753,4166	22,*09*,*14*
4675	24.9	− 5 48	6.2	6.44	3774,3776,3783	05,*01*,*04*
1993	25.0	+54 50	7.2	*7.61*		A . .
3595	25.0	+17 55	6.5	6.53	3731,3753,4166	13,*04*,*09*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3727	25.1	+ 4 0	7.0	6.50	3752,3758,4470	05,*04*,00
3130	25.2	+37 12	7.5	8.31	4091,4166	14,*14*
3598	25.2	+17 57	8.0	7.66	3731,3753	08,*08*
3532	25.2	+10 25	6.8	6.80	4166,4173	*07*,06
1898	25.3	+59 40	7.2	*7.16*		A . .
2906	25.3	+44 12	7.2	7.74	3780,3784	*23*,23
12696	25.4	−39 46	5.6	5.39	3823,4182,4186, 4456,4462,4528	*17*,04,06, 15,20,*30*
2089	25.5	+53 53	7.0	7.28	3810,3814	16,*15*
3347	25.5	+23 48	6.0	*5.71*		. . A
3483	25.5	+15 53	6.8	*7.39*		A . .
4986	25.5	−18 58	7.5	6.99	3058,4092	16,*16*
4988	25.6	−18 28	6.0	5.00	3740,4487,4491	05,21,*26*
1271	25.7	+65 30	5.0	5.00	3468,3469,3731, 3737,3740,3750, 3752,3762,3769, 3779,3781,3802, 3807,3810,3814, 3823,3826,3829, 3833,3840,4077, 4091,4092,4122, 4136,4137,4138, 4158,4162,4163, 4166,4170,4183, 4186,4187,4193, 4195,4196,4455, 4456,4458,4462, 4486,4500,4504, 4506,4507,4507, 4523,4528,4533, 4544,4554,4561	00,07,*02*, *20*,01,*06*, R,*02*,*04*, *03*,25,*03*, 08,*14*,*02*, 06,09,10, 19,01,02, 05,*07*,*06*, 17,*02*,09, *06*,04,00, *13*,11,*07*, 05,*05*,02, *12*,*11*,*10*, *10*,*26*,16, 31,04,03, *15*,*03*,*23*, 37,*14*,*15*, *15*,17,09
3774	25.7	+ 4 27	7.2	6.80	3752,3758,4166, 4470	12,*09*, R, *02*
2494	25.8	+46 22	6.5	7.18	3807,3823	07,*06*
4678	25.8	− 5 51	7.3	7.31	3774,3776,3783	*02*,16,*13*
5085	25.8	−12 5	7.0	7.42	3058,3772	16,*16*
13306	25.8	−33 0	8.0	7.35	4097,4157,4182	16,*24*,09
4713	25.9	−10 52	5.5	*5.80*		A . .
15058	25.9	−29 16	7.2	6.90	4165,4173,4174	06,11,*17*
12700	25.9	−35 25	7.5	7.02	3823,3823,4157, 4182,4182,4183	*02*,12,08, *04*,01,*12*
12704	26.0	−39 58	6.9	6.22	3823,4157,4182	10,*11*,00
2989	26.1	+43 52	7.0	7.62	3780,3784	*09*,08
3724	26.1	+ 8 1	7.6	7.60	3758,3766	03,*04*
3501	26.2	− 0 33	7.0	7.01	3774,3776	*10*,10
1899	26.3	+59 29	6.2	6.41	3810,4101,4491	30,*23*,*08*
1873	26.3	+57 20	7.5	7.66	3775,3810	14,*14*
3821	26.4	+20 46	6.5	6.48	4114,4115	*04*,04
R	26.4	−42 23	. .	4.80	4456,4507	00,*01*
2078	26.5	+55 37	7.3	7.65	3750,3775	*03*,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4647	26.5	− 2 28	7.5	7.40	3774,3776	*09*,10
12895	26.5	−38 48	7.7	5.15	4077,4077,4158, 4182,4183,4456	*13*,*22*,33, 04,06,*08*
12896	26.5	−38 47	7.7			
2728	26.6	+45 55	7.0	7.45	3807,3823	01,*01*
3529	26.6	+16 52	5.6	5.69	3766,4166,4470	17,08,*24*
5059	26.6	−19 3	8.0	*7.70*		. A .
3729	26.7	+ 7 58	7.5	7.55	3758,3766	08,*08*
5098	26.7	−14 43	7.0	6.38	4092,4170	*20*,21
3504	26.8	− 1 4	6.7	5.82	3774,4170,4478, 4487,4491	13, R,20, *01*,*30*
3730	26.9	+ 7 10	7.5	7.36	3758,3766,3774	*08*,*06*,15
3157	27.1	+36 11	7.5	7.62	4091,4166	19,*18*
3737	27.1	+ 3 35	6.7	6.34	3752,3758,4166	05,02,*08*
5099	27.1	−14 56	5.8	*5.92*		04, . *03*
14462	27.1	−24 11	7.3	6.75	3083,3829,4165	*05*,07,*01*
3013	27.2	+28 26	7.5	7.45	4114,4115	07,*07*
3829	27.2	+ 6 43	7.2	7.34	3758,3774,4470	16,*10*,*07*
4922	27.2	−16 38	7.3	7.16	3058,3740	*05*,04
3394	27.3	+40 55	7.0	6.96	4166,4171,4183	*11*,*23*,34
4994	27.3	−18 26	7.1	*6.98*		. A .
3143	27.4	+32 11	7.2	7.30	4166,4183	*13*,13
13338	27.4	−33 5	5.6	5.86	3833,4077,4157, 4174,4182,4182, 4183,4533	*04*,*23*,*30*, 05,13,20, 08,08
894	27.5	+71 39	7.5	7.39	3737,3762	*05*,05
13341	27.5	−33 2	7.5	6.88	4097,4097,4157, 4174	31,17,*28*, *18*
3395	27.6	+40 26	7.5	*7.77*		A . .
3124	27.6	+33 34	7.5	7.30	4166,4171	06,*05*
3677	27.6	+13 40	6.8	7.18	3731,3753	05,*05*
3075	27.7	+41 2	6.9	7.17	3780,3784	*04*,04
3785	27.7	+ 4 18	7.5	7.46	3752,3758,3758, 4166	09,02,*05*, *04*
4686	27.8	− 5 14	7.0	*7.10*		A . .
14472	27.8	−24 6	5.9	5.73	3829,4458,4477	10,*06*,*05*
15855	27.8	−30 57	7.2	7.15	4097,4157,4174	26,*20*,*06*
12924	27.8	−34 53	7.3	6.80	4097,4157,4174	31,*09*,*21*
3787	27.9	+ 4 9	8.2	7.98	3752,3758	*02*,02
5106	27.9	−14 56	6.7	5.79	3781,4478,4487	*04*,*07*,10
4791	28.0	− 5 59	6.5	6.37	3776,3781,3783	*04*,06,*02*
15696	28.1	−31 20	7.5	8.04	4097,4103,4157	02,11,*13*
12728	28.3	−39 46	7.5	7.10	3823,4103,4157	*08*,17,*08*
3564	28.5	+25 25	7.5	*7.53*		A . .
5071	28.5	−19 51	7.5	*7.33*		A . .
14479	28.5	−24 18	7.2	6.59	3083,4103,4458	11,06,*18*
3363	28.6	+23 33	6.0	*5.95*		. . A
3741	28.6	+ 8 12	6.2	6.25	3758,4166,4470	01,*17*,16
4623	28.8	− 7 47	7.5	7.22	3776,3781,3783	*10*,04,06
2732	28.9	+45 55	6.8	*7.27*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3728	28.9	+18 51	7.1	6.83	3731,3753,4166	00,08,*09*
14281	28.9	−32 58	7.3	6.85	3833,4097,4103	03,08,*11*
3228	29.0	+30 29	5.5	*5.35*		. . A
2814	29.3	+49 48	7.3	*7.42*		A . .
5245	29.3	−17 4	7.2	6.97	3058,3740,4092	11,*10*,*02*
15888	29.3	−30 1	7.1	7.07	3826,4097,4103	*02*,07,*04*
3627	29.4	+17 39	7.5	7.02	3731,3753	03,*02*
5189	29.4	−20 55	6.5	6.57	4103,4165	14,*14*
12931	29.4	−38 14	7.5	7.53	3823,4103,4157	*16*,28,*13*
2736	29.5	+45 43	6.8	*7.02*		A . .
3213	29.5	+38 46	6.8	6.90	4091,4166,4183	*04*,*04*,07
3747	29.5	+ 3 4	7.5	7.50	3752,3758	01,*02*
4681	29.5	−11 3	5.3	5.21	3058,3772,4478	*03*,*15*,19
5077	29.5	−19 21	7.0	7.19	3058,3740	*04*,04
3227	29.6	+30 49	7.5	6.43	4166,4166,4183,	08,09,*09*,
					4201,4201,4202,	*02*,40,*03*,
					4202,4203,4203,	04,*02*,25,
					4542,4542,4544,	02,*23*,00,
					4544,4545,4545	*17*,*17*,*20*
3574	29.6	+14 24	7.5	7.79	3731,3753	09,*09*
4941	29.6	−16 13	7.5	7.64	3058,3740	07,*07*
15123	29.6	−29 47	6.9	6.73	3083,3826,4097	*12*,10,01
3846	29.7	+ 6 24	7.2	7.24	3758,3766	*09*,10
2738	29.8	+46 1	6.5	6.84	3823,3826	17,*17*
4638	29.8	− 8 19	4.2	*4.08*		. 02,*01*
12756	29.8	−35 32	7.5	7.28	3823,4103,4157	01,07,*08*
2232	29.9	+52 3	6.5	6.43	3750,3810,4101	07,18,*24*
3409	30.0	+40 27	6.5	7.07	4166,4183	*06*,06
3411	30.0	+40 5	6.6	*7.22*		A . .
3847	30.0	+20 23	6.5	6.58	4114,4115	08,*08*
3734	30.0	+18 37	7.0	7.30	3731,3753	03,*03*
3573	30.1	+10 49	6.7	6.52	3766,4173,4185	02,*05*,04
3021	30.2	+28 12	7.3	7.41	4114,4115	10,*10*
1629	30.4	+62 28	7.0	7.02	3737,3762	04,*05*
3291	30.4	+29 40	6.8	6.84	4114,4115	*02*,03
5129	30.4	−14 8	7.5	7.20	3772,3776	*10*,11
3238	30.5	+34 22	7.5	7.36	4187,4472	05,*04*
3483	30.5	+21 24	7.5	7.12	4114,4115	05,*05*
3801	30.6	+ 4 51	7.0	6.80	4174,4185	17,*16*
5047	30.6	−13 49	7.5	7.68	3772,3776	02,*01*
587	30.7	+79 9	7.0	6.61	3737,3762,4182	01,*02*,01
4805	30.7	− 6 49	7.0	7.01	3776,3781,3783	08,*10*,03
5196	30.7	−20 24	7.3	*7.37*		A . .
3219	30.8	+33 22	7.3	7.60	4091,4162	13,*14*
3740	30.8	+18 7	6.1	5.88	3753,4174,4185	*32*,19,13
14765	30.8	−28 36	7.0	6.78	3083,3829,4103	05,*19*,15
2113	30.9	+56 58	5.4	*5.07*		. . A
1276	31.0	+65 22	6.8	6.46	3762,4170,4462,	30, R ,*04*,
					4472	*25*
2508	31.0	+46 8	6.5	6.66	3807,3823,4101	18,12,*29*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4952	31.0	−16 1	7.0	7.38	3058,3740	03,*03*
13291	31.0	−25 45	7.4	7.44	3083,3829	00,*01*
3294	31.1	+35 43	7.2	7.60	4091,4162	01,*02*
3518	31.3	+11 38	7.5	7.37	3731,3753	08,*08*
5097	31.3	−19 18	7.6	7.15	3740,3772	*01*,01
3385	31.4	+23 31	6.0	5.77	4114,4472,4500,	14,*03*, R ,
					4506	*11*
3560	31.4	+16 54	6.3	6.17	3731,3753,4174	03,*27*,25
3521	31.5	+11 46	8.0	7.89	3731,3753,3753	06,*11*,06
3806	31.5	+ 4 52	7.0	6.84	4174,4185	16,*15*
5030	31.5	−15 6	7.5	*7.55*		A . .
2238	31.6	+52 16	5.5	5.46	3750,3810,4491	*20*,27,*06*
3245	31.6	+34 22	6.4	*5.94*		*02*, . 03
3418	31.7	+22 40	7.5	7.54	4114,4115	00,01
3783	31.7	+ 9 3	5.3	*5.36*		. *02*,02
3855	31.8	+ 6 36	5.8	*5.46*		. 08,*08*
4514	31.8	− 4 42	7.5	*7.85*		A . .
14337	31.8	−32 46	7.5	7.22	3833,4097,4103	*19*,08,11
3755	31.9	+ 3 41	7.6	6.63	3752,3766,4174	*08*,*07*,15
5120	31.9	−12 26	6.4	6.90	3781,3783,3802,	14,21,*08*,
					4092,4174,4186,	*16*,*03*,06,
					4478,4487,4491	*05*,12,*24*
5076	31.9	−21 29	6.3	5.75	3083,4103,4157	10,05,*15*
2618	32.0	+51 2	7.4	7.39	3750,3814	04,*04*
3229	32.0	+38 49	7.3	6.87	4091,4162,4472	01,*07*,07
3716	32.0	+19 55	7.3	*7.88*		32, . *32*
3598	32.0	+12 55	7.0	7.35	3731,3753	02,*02*
3096	32.1	+41 29	6.8	7.26	3780,3784	15,*15*
3526	32.1	+11 44	8.9	8.86	3731,3758	11,*12*
3859	32.1	+ 6 20	7.5	7.29	3758,3766	*10*,10
3975	32.1	+ 0 52	6.8	7.16	4174,4185	*06*,07
5271	32.1	−17 19	7.0	6.80	3740,3772,4092	16,*06*,*11*
1881	32.2	+57 46	8.6	8.14	4542,4542,4544,	*02*,*05*,*03*,
					4544,4545,4545	*06*,*08*,21
2404	32.2	+51 43	6.9	6.71	3750,3814,4101	*03*,09,*05*
3518	32.2	+15 22	6.5	6.96	4174,4185	03,*04*
4325	32.2	− 3 0	7.2	6.68	3776,3781,3783,	05,*06*,13,
					4478	*13*
5055	32.2	−13 33	7.3	7.28	3772,3781,3783,	02,15,*11*,
					4092,4174,4186,	*15*,03,12,
					4478,4491	19,*21*
3831	32.3	+ 5 43	7.5	8.00	3766,3774,4174,	R ,*01*,*02*,
					4185,4193,4195,	R ,05,*19*,
					4493,4506	10,08
15966	32.3	−30 7	7.1	6.71	3826,4458,4477	15,*11*,*04*
3423	32.4	+40 14	7.3	*7.57*		A . .
3425	32.4	+40 41	6.8	7.61	4472	A
3244	32.4	+30 31	7.0	6.64	4187,4192	00,00
3494	32.4	+22 1	6.9	6.67	4114,4115,4138	*02*,*09*,10
4518	32.4	− 4 54	6.8	6.70	4092,4174	02,*03*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5139	32.4	−14 6	7.0	6.45	3772,3781,3783, 4092,4174,4186, 4478,4487,4500	06,17,01, 12,*20*,*26*, *12*,09,14
14570	32.4	−23 11	7.5	7.47	3083,3833	*05*,05
14572	32.4	−23 36	6.1	5.78	3083,3833,4458	02,13,*14*
R	32.4	−43 16	. .	5.43	4077,4455,4456	*24*,00,25
3530	32.5	+11 21	6.8	6.36	3731,3753,4185, 4493,4500,4506	*11*,*26*,62, 10,*21*,*11*
3521	32.5	+ 0 24	5.5	*5.81*		. . A
1079	32.6	+67 41	6.5	6.81	3737,3762,4182	*05*,03,02
2094	32.6	+55 50	7.5	7.46	3750,3814	23,*23*
3563	32.6	+16 7	6.1	*6.40*		. . A
12765	32.6	−37 23	7.5	7.73	3823,4103,4157	00,04,*03*
3202	32.7	+36 53	7.2	7.52	4091,4162	24,*24*
3581	32.7	+11 16	6.5	6.93	3731,3753,4185	*18*,*21*,38
4678	32.7	− 2 41	7.0	7.07	3776,3781,3783	03,*04*,02
13006	32.7	−34 15	6.9	6.51	3826,3833,4097	12,*07*,*04*
1882	32.8	+57 43	7.5	7.31	3750,3814	*11*,11
3176	32.8	+37 58	7.0	7.34	4091,4162,4187	19,10,*28*
3116	32.9	+42 58	7.3	7.34	3780,3784	*02*,01
3154	32.9	+33 23	5.8	*5.57*		. . A
3846	32.9	+ 5 47	6.8	6.62	4174,4185,4500	*09*,22,*12*
5081	32.9	−21 8	6.0	*5.88*		. 01,*02*
14580	32.9	−23 16	7.1	6.79	3083,3833,4103	*07*,13,*05*
14821	32.9	−28 16	8.1	7.46	3829,4157	06,*05*
1003	33.0	+68 31	7.3	7.60	3737,3762	*12*,11
3100	33.0	+41 12	6.8	6.86	3780,3784,4101	09,07,*17*
3469	33.1	+24 21	7.5	7.43	4114,4115	*04*,04
4331	33.1	− 3 17	6.5	6.47	3776,3781,3783	09,*02*,*08*
590	33.2	+79 34	7.5	7.04	3737,3762,4542, 4542,4544,4544, 4545,4545,4554, 4554,4561,4561	*11*,12,05, *17*,*01*,06, 04,*17*,29, 14,*12*,*16*
3534	33.2	+11 22	8.7	8.28	3731,3753	*07*,07
3529	33.2	− 1 12	6.7	6.49	3776,3781,3783, 4092,4174,4186, 4478,4487,4491	*08*,02,*04*, 13,03,*06*, 19,*01*,*15*
3756	33.4	+18 21	7.5	7.54	3731,3753	*03*,02
3238	33.6	+88 41	1.0	*0.10*		. . A
3302	33.6	+29 29	7.0	6.76	4114,4115,4163, 4187	*02*,06,*02*, 00
3027	33.7	+48 8	6.0	6.34	3780,3784,3807	*09*,*03*,11
3823	33.7	+ 4 46	7.1	6.60	4174,4185	*04*,03
1112	33.8	+66 16	7.2	7.18	3737,3762	05,*05*
5129	33.8	−12 20	7.5	7.68	3781,3783,4173	01,02,*04*
3602	33.9	+14 18	7.5	7.88	3731,3753	01,*02*
2730	34.0	+48 46	7.5	7.71	3807,3826	14,*14*
3603	34.0	+15 0	6.5	*6.86*		A . .
3874	34.0	+ 6 11	7.3	7.07	3758,3766	03,*03*
4686	34.0	− 2 3	7.5	7.18	3776,3783,4092, 4174,4186,4487, 4491,4493	R,*01*,*09*, 24,14,01, *37*,09
5228	34.0	−20 10	6.5	*6.76*		A . .
13454	34.0	−33 57	7.4	7.16	3826,3833,4097, 4103	23,*09*,*06*, *07*
3180	34.1	+37 41	7.0	7.21	4091,4162,4187	20,*12*,*08*
3037	34.1	+28 32	7.0	6.59	4114,4115,4163	10,*10*,*01*
3572	34.1	+16 27	7.5	7.60	3731,3753	*03*,04
3590	34.3	+25 10	7.4	*7.71*		A . .
4702	34.4	−11 12	7.3	7.18	3772,3781,3783	*04*,*12*,17
699	34.6	+77 28	6.5	5.89	3762,4182,4462	*12*,*07*,04
4648	34.6	− 7 53	6.1	*6.08*		. *02*,02
3891	34.7	+ 5 10	6.7	6.20	4174,4185	*10*,10
2516	34.8	+46 3	7.2	7.30	3807,3826	03,*02*
3476	34.8	+39 35	6.5	*6.14*		*17*, . 16
3255	34.8	+30 22	7.4	*7.31*		A . .
14863	34.8	−28 21	7.5	7.98	3829,4103	15,*14*
2667	34.9	+47 53	7.5	7.80	3807,3826	16,*17*
3319	34.9	+35 58	7.0	7.20	4091,4162,4187	25,*16*,*08*
3791	34.9	+ 8 39	7.7	7.06	3758,3766	*04*,03
3880	35.0	+20 50	7.5	7.54	4114,4115	00,*01*
3798	35.0	+ 7 16	6.5	*6.36*		. . A
3809	35.2	+ 9 53	8.0	7.75	4542,4542,4545, 4545,4546,4546	22,03,*01*, *13*,*07*,*02*
3606	35.3	+15 0	6.9	*7.39*		A . .
4547	35.5	− 4 36	7.5	*7.50*		A . .
15849	35.5	−31 35	7.5	7.42	3826,3833,4097	*05*,*17*,21
3797	35.6	+ 8 46	7.3	7.07	3758,3766	10,*10*
3553	35.7	+11 59	6.7	7.03	3731,3753,4193	*16*,*07*,22
14625	35.7	−23 56	6.6	*6.10*		. *07*,08
1283	35.9	+65 24	6.0	*6.08*		*03*, . 02
12836	35.9	−39 23	7.3	6.73	3823,3833,4102	08,*30*,22
3617	36.0	+10 52	7.5	7.63	3731,3753	09,*09*
3799	36.0	+ 8 41	7.5	7.22	3758,3766	07,*06*
5156	36.0	−14 40	6.6	6.58	4092,4174	*11*,10
852	36.1	+72 18	6.8	7.34	3737,3762	05,*05*
3262	36.2	+30 46	6.3	6.44	4187,4192	*05*,06
3614	36.2	+12 8	7.9	8.28	3731,3753	03,*04*
3196	36.3	+37 54	7.5	7.44	4091,4162	12,*13*
3324	36.3	+26 2	6.9	6.74	4114,4115,4163	13,01,*13*
4354	36.3	− 3 13	7.2	6.88	3776,3783,4092	R,08,*07*
535	36.4	+83 18	7.4	*7.32*		A . .
1117	36.4	+66 49	7.4	7.58	3737,3762	*02*,02
3446	36.4	+40 50	6.2	6.13	4091,4187	15,*15*
3838	36.4	+ 4 27	7.3	7.10	3752,3758	03,*03*
5291	36.4	−17 7	7.0	7.38	3740,3772	*06*,06
3618	36.5	+12 7	7.6	7.88	3731,3753	08,*09*
5240	36.5	−20 24	7.4	*7.17*		A . .
2099	36.6	+55 9	7.2	*7.56*		A . .
2258	36.6	+52 14	6.8	6.86	3842,4101,4491	16,00,*16*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1637	36.7	+62 26	5.7	5.74	3762,4182,4462	*16*,16,*01*
3254	36.8	+38 16	7.2	6.48	4091,4162,4472	01,06,*08*
3171	36.8	+33 35	7.3	7.18	4187,4192	*12*,12
3619	36.8	+12 9	6.5	7.00	3731,3753,4193	*16*,*16*,31
4796	36.8	− 9 9	5.0	4.60	3776,3783,4478	*04*,00,04
4664	36.9	− 7 26	7.8	7.12	3776,3783	*11*,10
5067	36.9	−15 37	7.8	7.02	3740,3772	14,*15*
13036	36.9	−38 25	5.0	5.16	3755,3826,3829,4122,4455,4533	*16*,13,08,*18*,01,13
855	37.0	+72 11	7.0	7.41	3737,3762	06,*06*
5134	37.1	−19 23	6.5	6.59	4092,4174	*09*,09
1012	37.2	+70 20	7.5	*7.64*	.	A . .
1085	37.2	+67 41	7.5	7.36	3737,3762	08,*07*
1840	37.2	+60 37	6.8	6.57	3840,3842	10,*10*
3687	37.2	+17 35	7.5	7.91	3731,3753	07,*07*
3623	37.2	+12 9	6.7	7.30	3731,3753	06,*07*
4670	37.2	− 7 10	6.2	*6.15*		. . A
536	37.3	+83 6	6.2	*6.15*		*03*, . 03
4835	37.3	−22 31	7.3	7.65	4102,4103	*06*,06
3271	37.4	+30 11	7.4	6.90	4187,4192	*11*,12
12946	37.4	−36 49	6.8	6.33	3823,3833,4102	20,*30*,09
2263	37.5	+52 6	5.7	5.74	3840,4101,4491	09,*09*,*01*
5118	37.6	−21 1	7.5	7.36	4102,4458	09,*08*
12876	37.6	−35 45	5.2	4.75	3755,3829,3833,4097,4103,4122,4122,4157,4455,4522,4528,4533	*04*,07,07,29,*05*,*01*,*05*,*06*,01,*06*,*25*,05
857	37.7	+72 18	6.5	6.93	3737,3762,4182	*18*,24,*07*
1445	37.7	+63 26	7.3	6.88	3737,3762,4182	*12*,08,03
3116	37.8	+41 50	7.0	7.68	3780,3784	*05*,06
1911	37.9	+59 26	7.0	7.11	3750,3775,3814,3840	12,*01*,*11*,00
3832	37.9	+31 31	6.5	6.47	4187,4192,4493	*02*,*01*,03
831	38.0	+73 12	7.0	7.45	3737,3762	*08*,08
2963	38.0	+44 10	7.5	7.32	3780,3784	*09*,08
4726	38.0	−11 26	6.8	7.15	3772,3781,3783	11,*07*,*04*
12864	38.0	−39 48	5.7	5.58	3755,3823,3833,4455,4522,4528,4539	*16*,27,*19*,07,15,02,*18*
12866	38.0	−39 51	7.5	6.54	3823,3833,4102	09,*05*,*05*
3537	38.1	+15 6	6.3	*6.84*		A . .
4686	38.1	− 8 23	5.5	5.02	3783,4174,4186,4478	03,15,*07*,*11*
3691	38.2	+17 37	7.5	7.96	3731,3753	15,*14*
3615	38.2	+14 45	6.9	*7.29*		A . .
4687	38.2	− 8 28	7.5	7.06	3776,3783	05,*04*
3713	38.3	+13 28	7.5	7.39	3731,3753	03,*03*
5142	38.3	−19 25	7.0	6.67	3740,3772,4092	00,00,01
3551	38.4	− 1 39	7.5	7.37	3776,3783	*11*,11
3459	38.5	+40 37	6.8	6.66	4162,4187	01,*01*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3285	38.5	+34 38	7.0	6.15	4115,4493,4500	04,14,*19*
3085	38.5	+28 1	7.5	7.44	4114,4115	23,*24*
4859	38.5	− 6 55	6.0	*6.32*		. 09,*08*
3047	38.6	+43 26	7.3	7.94	3780,3784	*04*,04
3593	38.6	+16 32	7.5	7.82	3731,3753	06,*06*
13394	38.6	−25 5	6.2	*5.69*		. 04,*04*
12894	38.6	−35 58	7.0	6.58	3833,4097,4102,4103	*16*,26,*09*,*01*
2762	38.8	+45 49	7.5	8.02	3807,3840	09,*08*
3239	38.9	+36 27	7.0	7.19	4091,4162,4187	13,*19*,05
3063	38.9	+28 12	7.3	7.52	4114,4115	00,00
3762	38.9	+19 22	7.2	7.23	4193,4195	20,*20*
3701	38.9	+17 23	7.2	7.16	3731,3753	04,*04*
3633	39.1	+10 48	6.8	6.81	4193,4195	04,*04*
3819	39.1	+ 8 31	7.4	*7.19*		. A .
3631	39.3	+12 4	6.7	7.28	3758,3766	00,00
4869	39.3	− 6 38	7.0	7.02	3776,3783,4092,4174	*23*,11,*05*,19
5131	39.3	−21 7	6.8	6.35	4102,4103,4157	*04*,12,*09*
3243	39.4	+36 51	7.5	*8.10*		. A .
13170	39.4	−27 6	3.7	*3.28*		. 13,*12*
4735	39.5	−11 34	6.8	6.97	3772,3781,3783	09,*11*,01
2844	39.6	+49 18	7.3	7.87	3807,3840	*04*,04
5158	39.7	−12 42	7.8	8.69	3810,4202,4202,4203,4546,4546	*27*,11,*09*,*04*,20,09
12887	39.7	−39 50	7.3	6.94	3823,3833,4102	10,*28*,19
3766	39.8	+ 1 57	5.0	5.07	3752,4193,4195	*20*,37,*16*
3543	39.8	− 0 29	7.2	6.80	3776,3783,4092,4174,4187,4478,4487,4491	B,00,*02*,12,*08*,00,20,*20*
5310	39.8	−17 39	7.4	7.06	3740,3772	*01*,00
13176	39.8	−27 37	7.1	6.70	3829,4102,4157	07,*02*,*06*
3505	39.9	+39 13	6.5	6.48	4162,4192	01,*02*
5159	39.9	−12 42	6.7	7.72	3772,3781,3783,3810,4092,4092,4174,4187,4201,4201,4202,4202,4203,4203,4542,4542,4545,4545,4546,4546	01,01,00,*09*,*21*,*13*,11,*09*,21,04,*20*,06,*14*,*11*,01,05,00,11,19,26
1641	40.0	+62 39	6.8	6.80	3762,4182,4462	00,05,*04*
2973	40.0	+44 50	6.8	*7.07*		A . .
13095	40.0	−34 1	7.5	7.71	3826,4097,4102	*09*,19,*09*
2681	40.1	+47 29	6.3	6.89	3807,3840,4101	10,*19*,08
3246	40.1	+36 28	6.4	6.25	4091,4162,4187	04,02,*06*
3348	40.1	+31 50	5.5	*5.57*		. . A
5154	40.1	−19 43	6.8	6.61	4174,4187	00,00
14495	40.1	−32 1	7.5	7.30	3826,4097,4102,4506	*11*,20,*10*,B
2847	40.3	+49 21	7.4	7.92	3807,3840	*03*,03

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4787	40.3	−10 36	7.0	6.84	3772,3781,3783, 3802	03,*03*,03, *03*
4854	40.3	−22 30	6.2	5.64	4467	A .
12895	40.3	−39 41	8.5	8.13	3823,4102,4103, 4103,4157,4458, 4522,4539	*09*,32,*12*, *05*,*06*,09, 46,*58*
3095	40.4	+28 0	7.3	7.24	4114,4115	03,*03*
15345	40.4	−29 45	7.1	6.92	3829,4102,4157	09,23,*32*
3439	40.5	+23 29	6.5	6.24	4115,4493,4500	01,23,*24*
3941	40.5	+ 5 23	6.3	5.78	3752,4193,4477, 4493,4500	R,26,05, *04*,*27*
12856	40.5	−37 40	7.3	6.95	3823,3833,4102	*01*,*14*,15
1768	40.6	+61 27	7.5	7.37	3737,3762	05,*05*
2849	40.6	+49 38	7.3	*7.97*		A . .
2107	40.7	+55 26	5.3	5.07	3775,3814,4491	*04*,12,*07*
3276	40.7	+38 26	7.0	6.81	4091,4162,4187	09,07,*16*
3472	40.7	+22 27	7.5	7.50	4114,4115	06,*07*
15973	40.7	−31 51	7.5	7.51	3826,4097,4102	05,*05*,01
12807	40.7	−40 31	5.5	5.39	3755,4455,4477, 4522,4528	04,*05*,*14*, 20,*05*
3589	40.8	+11 30	8.1	7.97	3753,3758,3766	*08*,*02*,11
3713	40.9	+17 38	7.3	7.26	3753,4193,4195	12,09,*20*
3509	41.0	+39 34	4.3	*4.72*		. *08*,08
3510	41.1	+39 30	4.6	*4.45*		. . A
3546	41.1	+15 37	6.5	6.52	4193,4195	17,*16*
3592	41.1	+11 23	6.7	*7.03*		. A .
4701	41.1	− 8 13	7.0	7.02	3783,3784,4092	*05*,06,*02*
5187	41.1	−14 33	7.5	*7.06*		A . .
2684	41.2	+47 31	6.6	6.78	3807,3840,4101	14,06,*21*
3779	41.2	+19 53	7.0	6.62	4193,4195	*17*,17
3862	41.2	+ 9 43	7.3	*7.32*		A . .
4797	41.2	−10 14	6.1	5.70	3781,3802,4092, 4173,4174,4478, 4487,4491	06,*19*,01, 16,*02*,*09*, 10,*06*
3222	41.3	+37 30	4.5	*4.24*		. . A
3223	41.3	+37 30	5.5	*5.82*		. . A
3550	41.3	+21 53	6.9	6.39	4114,4115,4138	*05*,03,02
3559	41.3	− 1 3	6.1	5.66	3784,4092,4174	10,*10*,01
14997	41.3	−28 24	7.3	7.24	3829,4102,4157	*09*,13,*03*
12911	41.3	−39 43	7.3	6.81	3823,3833,4102, 4103	16,*18*,08, *07*
2126	41.4	+53 47	6.0	*6.11*		. . A
3926	41.4	+20 27	4.1	*4.26*		. . A
3302	41.5	+34 55	7.0	*7.12*		A . .
4700	41.5	− 7 41	7.4	7.16	3783,3784	*16*,17
3058	41.6	+43 44	7.3	7.66	3780,3784	04,*04*
12877	41.6	−37 8	7.0	7.03	3823,3833,4102	09,01,*11*
R	41.6	−43 48	. .	5.53	4477,4522,4544	29,*08*,*22*
3814	41.7	+18 23	6.9	6.75	3753,3758,4193	*15*,11,*05*
13116	41.7	−34 0	7.0	6.87	3826,4097,4102	*02*,10,*07*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3280	41.8	+38 13	7.5	7.60	4091,4162	09,*08*
4897	41.8	− 6 0	7.0	*7.08*		. 16,*16*
3256	41.9	+36 28	7.5	6.92	4091,4162,4493	*10*,11,00
4582	41.9	− 4 51	4.5	*4.51*		01,01,*03*
14530	41.9	−31 58	7.5	7.37	3826,4097,4102	02,12,*13*
3349	42.0	+26 34	4.9	*4.97*		. . A
5268	42.0	−20 22	7.0	7.12	4102,4103	01,*01*
5168	42.1	−12 26	7.1	7.69	3085,3781,3783, 4092,4173,4174, 4478,4491,4493	03,*02*,23, *09*,*04*,*08*, 11,*22*,12
3310	42.2	+34 25	7.3	6.91	4192,4493,4500	*13*,14,*02*
3651	42.2	+12 28	7.5	7.73	3753,3766	*05*,05
5033	42.2	−16 53	7.4	7.07	3085,3740	*07*,07
3817	42.3	+18 36	6.4	6.27	3753,3766,4193	02,*04*,02
3653	42.3	+12 25	8.0	7.81	3753,3766	*05*,05
3844	42.3	+ 8 50	8.7	8.56	4201,4201	04,*05*
5168	42.4	−19 19	7.0	7.04	3085,3740	*08*,08
R	42.4	−43 32	. .	5.36	4477,4522,4544	00,17,*17*
702	42.5	+77 35	7.0	6.94	3737,3769,4182	*13*,04,09
14541	42.5	−32 49	7.0	6.83	3826,4097,4102	06,*05*,*01*
3823	42.6	+18 4	4.1	4.38	2720,3758,3766, 4193,4195,4196	00, R,*03*, *09*,*01*,12
5195	42.6	−14 49	7.0	6.80	4092,4173,4174	*05*,14,*08*
13128	42.7	−34 51	7.0	6.69	3826,4097,4102	*03*,03,*01*
4753	42.8	−11 30	7.2	7.25	3085,3781,3783, 4092,4173,4174, 4478,4487,4491	*13*,02,01, 10,12,04, 12,*10*,*16*
2034	42.9	+54 47	6.0	*6.26*		*05*, . 04
3613	42.9	+16 48	7.0	6.66	3766,3774,4193	07,03,*09*
3567	42.9	+15 24	7.7	7.14	4193,4195	08,*08*
5079	42.9	−18 42	7.0	6.46	3085,3740,4092	*10*,17,*06*
3137	43.0	+41 20	6.0	*6.03*		. . A
5080	43.0	−18 44	8.5	7.02	3085,3740,4092	*06*,02,05
1845	43.1	+60 56	6.0	*6.20*		. . A
3753	43.1	+13 20	6.7	7.09	3766,3774,4193	*09*,*09*,18
3884	43.1	+ 4 8	6.5	6.29	4193,4195	*18*,18
13603	43.1	−33 42	7.7	7.55	3826,4097,4102	23,*13*,*11*
3608	43.2	+11 4	7.5	*7.33*		. A .
4913	43.3	− 6 7	7.2	*6.53*		. 01,*01*
2136	43.4	+57 0	7.5	7.59	3775,3814,3840	07,*05*,*02*
2547	43.4	+46 32	7.1	7.91	3807,3840	16,*16*
3072	43.4	+43 27	7.0	7.58	3780,3784	*07*,08
3365	43.4	+31 17	7.3	7.10	4192,4195	*02*,01
13611	43.5	−33 42	8.0	8.11	3826,4097,4102	*12*,10,02
3361	43.6	+35 46	7.3	7.29	4091,4162	20,*20*
4714	43.6	− 8 34	7.5	7.64	3783,3784	*07*,07
5041	43.7	−16 50	7.3	7.24	3085,3740	*04*,03
3573	43.8	+15 17	6.9	6.90	4196,4200	06,*07*
4717	43.8	− 8 25	7.0	7.26	3783,3784	*10*,11
5182	43.8	−19 15	7.1	6.42	3085,3740,4092	*06*,25,*20*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5277	43.8	−20 26	5.3	*5.32*		*02*, . 01
13047	43.8	−36 55	7.5	7.74	3823,3833,4102	03,*17*,14
999	43.9	+69 14	7.5	7.94	3737,3762	*05*,04
3461	44.1	+23 24	6.2	*6.08*		. . A
R	44.1	−22 57	R	7.41	4102,4103	*10*,10
2551	44.2	+46 12	6.1	6.47	3807,3840,4491	05,*12*,06
3369	44.2	+31 39	6.0	*5.75*		. . A
13153	44.2	−34 25	7.5	7.23	3826,4097,4102	06,11,*16*
12943	44.2	−39 17	7.3	7.09	3823,3833,4102	02,*26*,23
1023	44.2	+70 41	6.3	6.62	4182,4187	02,*03*
4922	44.3	− 6 1	6.8	6.21	3783,4173,4476	04,01,*04*
12906	44.3	−37 21	7.5	7.59	3823,3833,4102	12,*32*,20
13535	44.4	−26 53	7.5	7.22	3829,4102	*05*,06
2280	44.5	+52 53	6.3	*5.67*		. . A
4027	44.5	+ 0 44	6.5	6.04	4193,4195	04,*05*
16050	44.5	−31 4	7.5	7.88	3826,4097,4102, 4467	10,10,*22*, 04
678	44.6	+75 12	7.5	*7.42*		A . .
1921	44.6	+59 35	7.3	*7.31*		A . .
3270	44.6	+36 58	7.4	7.18	4091,4162	27,*28*
3560	44.6	+21 3	7.1	6.93	4114,4115,4493	10,*03*,*08*
3798	44.6	+19 13	6.1	5.70	2720,4193,4195	08,*11*,03
3654	44.6	+14 33	7.0	7.05	3758,3766	*04*,04
3220	44.8	+32 40	7.2	*7.54*		. A .
3465	44.8	+23 57	6.9	6.51	4114,4115,4138	15,*12*,*02*
4881	44.8	−22 17	6.9	6.25	3034,4102,4477	*06*,*02*,08
4388	44.9	− 3 44	6.8	7.15	3776,3783,4092, 4173,4174,4476, 4478,4487	R,04,03, *22*,*02*,14, *14*,17
4726	44.9	− 8 1	7.1	*7.34*		. A .
5119	44.9	−13 41	6.5	6.51	3085,3802,4092	*03*,08,*04*
2871	45.0	+49 19	7.0	7.18	3840,3842,4101, 4136	05,*07*,*05*, 06
3272	45.0	+36 20	7.2	7.32	4091,4162	06,*07*
3675	45.0	+10 25	7.5	*7.53*		A . .
3677	45.0	+10 34	8.2	8.03	3766,4477	19,*19*
2767	45.1	+48 58	6.3	6.55	3840,4101,4136	*01*,*09*,09
3545	45.1	+24 56	6.0	6.67	4114,4493,4500	*05*,12,*06*
5286	45.1	−20 25	7.8	6.86	4157,4165	12,*11*
16064	45.1	−30 59	8.5	8.82	3826,4097,4467	*07*,13,*07*
3583	45.2	+15 49	6.8	*6.54*		A . .
13284	45.2	−27 16	7.1	7.36	3829,4102	*08*,08
3122	45.3	+27 36	7.5	7.00	4114,4115,4493	02,*09*,06
3678	45.3	+10 30	8.4	8.15	3766,4477	00,00
16066	45.4	−31 23	7.5	7.61	3826,4097,4157	00,09,*10*
4859	45.5	− 9 53	6.3	6.01	3468,4173,4476	09,05,*14*
5347	45.5	−17 16	6.8	6.79	3085,3740,4092	11,01,*11*
2770	45.6	+48 39	6.0	6.03	3842,4101,4491	03,*04*,02
3630	45.6	+11 24	7.3	7.06	3766,3774	*07*,07
3862	45.6	+ 7 21	7.0	7.06	3766,3774	03,*04*
2777	45.7	+45 9	6.6	6.82	4101,4136	*07*,07
4929	45.7	− 6 23	8.8	7.97	3783,3784,4092	R, R, A
4733	45.7	− 8 7	7.2	7.37	3783,3784	*06*,06
3215	45.8	+33 35	7.5	6.89	4192,4195,4196, 4493	07, R ,*07*, 00
4390	45.8	− 8 22	7.3	*6.89*		. A .
1461	45.9	+63 9	7.5	7.28	3737,3762	05,*04*
3368	45.9	+26 19	6.7	6.92	4114,4115,4163	23,*20*,*03*
3373	46.0	+31 31	7.0	*6.50*		. . A
3685	46.0	+10 52	6.7	*6.63*		A . .
16071	46.0	−31 6	8.4	8.32	3826,4097,4157	23,*12*,*10*
3227	46.1	+32 42	6.3	*5.87*		. 07,*07*
3361	46.1	+29 42	7.2	*7.46*		A . .
4392	46.1	− 3 26	6.5	6.13	3468,4173,4476	22,*13*,*09*
4892	46.1	−22 2	6.8	6.67	4102,4467,4487	02,00,*02*
3312	46.2	+38 19	7.3	7.78	4091,4162,4192	15,*18*,03
3228	46.2	+32 26	5.5	*5.18*		. 02,*01*
3085	46.3	+43 37	6.5	6.79	3780,3784,4101	19,00,*18*
3477	46.3	+23 59	7.1	7.06	4114,4115	06,*05*
13562	46.3	−26 46	6.8	6.32	3083,3829,4157	*01*,00,00
15449	46.3	−29 29	6.5	6.29	3083,3829,4157	*08*,00,07
16356	46.3	−30 51	6.8	6.50	3826,4102,4157, 4165,4467,4487, 4522	01,04,*14*, 00,09,*01*, 03
2702	46.4	+47 24	7.2	7.75	3352,3468,3469, 3840,3842,4101, 4101,4136,4136, 4196,4196,4202, 4202,4491,4493, 4506	15,*12*,*19*, 41,08,*26*, *21*, R ,*04*, *03*,*07*,*17*, 09,19,23, 01
12939	46.6	−37 23	7.7	7.04	3804,3823,3833	*04*,24,*19*
1096	46.9	+67 41	7.0	7.00	3737,3762,4182	*06*,*04*,09
13319	46.9	−27 52	7.3	7.43	3083,3829	03,*03*
13101	47.1	−36 24	7.7	6.90	3833,4157,4165	*05*,18,*12*
4397	47.2	− 8 51	7.2	7.28	3776,3783	R, A .
5060	47.2	−16 30	7.3	6.84	3085,3740,4092	*10*,09,01
5115	47.2	−18 45	7.2	6.86	3085,3740,4092	*10*,07,04
14628	47.2	−32 6	7.1	7.06	3826,4097,4157	09,04,*13*
3551	47.3	+39 13	7.1	7.20	4091,4162	11,*11*
3174	47.4	+42 46	6.8	7.44	3780,3784	03,*04*
3334	47.4	+34 16	7.3	6.91	4192,4195,4493	02,*09*,07
4941	47.4	− 5 57	7.5	7.54	3783,3802,4092	R,03,*02*
3787	47.5	+13 51	5.9	6.13	2720,3774,4477	*05*,01,03
4876	47.6	− 9 42	6.6	6.26	4092,4173	06,*07*
282	47.7	+86 35	7.0	*6.82*		A . .
3094	47.7	+43 50	7.2	7.23	3780,3784	03,*03*
3104	47.7	+28 39	6.5	6.43	4114,4115,4163	16,*09*,*07*
3680	47.8	+14 25	7.0	6.51	2720,3766,4158	07,*01*,07
3327	47.9	+38 31	7.2	7.18	4091,4162	14,*14*
4607	47.9	− 4 51	7.5	*7.50*		A . .

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
3582	48.0	+21	18	5.5	*5.14*		. . A
5176	48.0	−21	29	6.2	5.82	3083,4157,4467	03,*26*,23
3553	48.1	+39	12	6.7	*7.17*		A . .
3295	48.1	+36	25	6.3	6.01	4091,4162,4192	07,*03*,*05*
4906	48.1	−22	42	8.5	7.35	3100,4165	*11*,11
4907	48.1	−22	52	6.0	5.00	3083,3100,4467	22,*36*,15
835	48.2	+73	58	5.8	5.34	3762,4182,4462	*10*,10,01
2042	48.2	+54	12	7.5	7.30	3775,3814	17,*17*
4908	48.2	−22	48	8.5	7.83	3083,4157	09,*09*
14816	48.2	−24	58	7.5	7.06	3829,4157	11,*10*
3003	48.5	+45	0	7.2	*7.22*		A . .
4886	48.5	− 9	30	7.5	6.92	4092,4173	02,*03*
3164	48.6	+41	21	8.0	7.31	4544,4544,4545 4545,4546,4546,	*19*,01,*05*, *04*,16,10
3165	48.6	+41	36	7.8	8.09	3780,3784	05,*05*
3262	48.6	+37	24	7.5	7.08	4091,4162	*03*,02
12970	48.6	−37	30	6.9	6.53	3804,3823,3833	*20*,17,02
3167	48.9	+41	16	6.5	6.22	3780,3784,4491	10,*02*,*09*
1852	49.0	+60	43	6.8	*6.78*		A . .
5143	49.0	−15	43	5.7	5.04	3085,4476,4478	10,*05*,*06*
3388	49.1	+35	21	7.2	*7.47*		A . .
4915	49.1	−22	47	6.2	5.06	3100,4157,4467	*12*,02,10
13595	49.1	−26	25	2.4	*2.06*		. 04,*04*
15509	49.1	−29	20	7.1	6.92	3083,3829,4097	09,*15*,06
R	49.2	−42	50	. .	5.41	4477,4522,4539	*11*,05,05
2294	49.3	+52	50	5.5	*5.60*		. . A
3107	49.3	+43	35	7.0	7.48	3780,3807	02,*03*
4863	49.4	−10	38	7.4	6.85	3085,3802,4092	*03*,*10*,13
682	49.6	+75	19	5.8	*5.28*		*16*, . 16
3699	49.6	+14	53	7.1	7.34	2720,4477	04,*04*
3720	49.6	+10	41	7.0	6.76	2720,4477	10,*09*
5225	49.6	−14	49	7.0	*7.21*		A . .
792	49.7	+74	37	7.5	*7.27*		A . .
1925	49.7	+59	16	4.3	4.89	3814,4101,4491	14,13,*26*
5078	49.7	−16	30	5.2	5.50	3085,3740,4476	*06*,*09*,14
15164	49.7	−28	15	7.5	7.86	3083,3829	10,*09*
3336	49.8	+38	48	7.5	7.68	4091,4162	18,*17*
3807	49.8	+13	16	6.7	7.01	2720,3755	27,*27*
3919	49.8	+ 9	34	7.5	*7.42*		A . .
15524	49.8	−29	36	7.5	7.14	3829,4097	*06*,06
14844	49.9	−23	18	6.4	*5.86*		. 17,*17*
12982	49.9	−37	28	5.0	5.26	3755,3804,3823, 3833,4533	*07*,*02*,08, *16*,16
3111	50.0	+43	35	7.3	7.40	3780,3807	01,00
5083	50.0	−16	28	7.3	7.08	3085,3740	*14*,14
5132	50.0	−18	39	8.5	8.14	3085,3085,3099, 3099,4092,4092, 4544,4544,4545, 4545,4546,4546	*28*,*38*, R, R,*01*,11, 14,08,*02*, 14,13,06
16152	50.0	−31	49	6.9	6.68	3826,4097,4157	07,01,*07*
3512	50.1	+40	52	6.8	6.58	4162,4195	*12*,11
3982	50.1	+20	14	6.8	*7.05*		A . .
3307	50.2	+36	51	6.1	5.58	4091,4493,4500	19,*11*,*08*
3985	50.2	+20	29	6.5	6.81	4114,4115,4500	03,*15*,12
3615	50.2	+15	18	7.0	6.96	2720,4477	02,*03*
13007	50.2	−39	2	7.5	7.04	3823,3833,4157	13,*23*,09
3399	50.3	+35	39	7.5	7.62	4091,4162	*02*,01
3150	50.3	+27	47	6.2	5.89	4114,4493,4500	00,*10*,09
5134	50.3	−18	50	7.3	6.63	3083,3096,3100, 4092,4476,4478	*17*,29,*35*, 06,17,*01*
3184	50.4	+42	45	7.0	6.86	3780,3842,4101	17,*14*,*04*
3836	50.4	+19	43	7.0	7.44	2720,4477	04,*05*
13737	50.4	−33	27	7.4	6.97	3826,4097,4157	06,04,*11*
3112	50.5	+44	0	7.5	7.66	3780,3842	02,*03*
3524	50.5	+22	32	5.0	*4.58*		. . A
4767	50.5	− 8	56	7.2	7.63	3783,3784	02,*02*
1926	50.6	+59	33	7.3	6.68	3775,3814,4101, 4491,4498,4506	18,21,*42*, 16,15,*31*
3978	50.6	+ 6	30	5.8	5.61	3766,3774,4477	04,03,*06*
3909	50.6	+ 4	18	7.5	7.52	3774,3776,4158, 4193,4195	17, R,*23*, 07,*03*
14849	50.6	−24	45	7.3	7.27	3100,3829	*22*,22
13012	50.6	−39	57	6.6	6.21	3804,3823,3833	*05*,16,*11*
2686	50.7	+50	35	5.2	*5.00*		. . A
3836	50.7	+ 3	19	7.1	6.94	3758,3774,3776, 4158,4193,4195	12,02, R, *14*,04,*06*
4055	50.7	+ 0	8	7.4	*7.73*		A . .
4818	50.8	−11	27	7.2	7.19	3085,3802	03,*03*
3174	50.9	+41	6	7.1	*6.30*		. A .
3813	50.9	+13	5	6.5	6.88	2720,3755,4158	10,02,*11*
3979	50.9	+ 7	3	7.0	6.69	4136,4136,4137, 4137,4138,4138, 4157,4157,4193, 4193,4538,4538	18,27,02, *01*,*03*,04, 06,*25*,*13*, *07*,*02*,01
5388	50.9	−17	35	7.2	7.24	3085,3740	*04*,05
3819	51.0	+36	47	4.5	*4.52*		. R, A
3344	51.0	+30	59	7.5	7.32	4195,4196	10,*11*
3709	51.0	+14	15	6.5	6.54	4158,4193	*12*,11
5154	51.1	−15	0	7.5	*7.16*		A . .
13233	51.1	−38	18	7.5	7.79	3804,3833,4157	*16*,09,07
3257	51.2	+33	51	7.0	*6.20*		. . A
3983	51.2	+ 7	0	7.6	7.80	3758,3774	*04*,03
3916	51.2	+ 4	4	4.0	*4.54*		. R, A
3917	51.2	+ 4	4	4.3	*4.87*		. R, A
3602	51.2	− 1	56	6.5	6.14	3468,4476,4478	19,*12*,*06*
5231	51.2	−14	9	7.5	7.66	3802,3804	06,*06*
3730	51.4	+ 2	21	7.0	6.28	3758,3774,4158, 4193,4195	T,*06*,*02*, 14,*05*
5339	51.4	−20	47	5.5	*5.10*		09, . *09*
3253	51.5	+32	28	7.4	7.48	4195,4196	12,*13*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3919	51.6	+ 4 7	7.3	6.66	3774,3776,4158	03,*09*,05
3177	51.7	+41 29	5.5	*5.64*		. 03,*04*
3778	51.7	+17 52	7.0	6.41	3753,3755,4158	04,*06*,03
3779	51.7	+17 59	5.9	5.67	3753,3755,4477	*03*,*13*,17
4976	51.7	− 5 58	5.0	*5.00*		. *06*,05
5242	51.7	−19 17	7.0	7.03	3085,3740	03,*03*
16468	51.7	−30 57	7.3	7.35	3826,4097,4157	11,11,*23*
5201	51.8	−21 14	4.0	*3.66*		. 00,*01*
14722	51.8	−32 18	7.5	7.48	3826,4097,4157	09,*09*,01
16189	51.9	−31 10	6.5	6.23	3826,4097,4157	12,*03*,*09*
13276	51.9	−34 21	7.8	7.17	3826,4097,4157	03,04,*07*
3848	52.0	+19 43	7.5	*7.97*		A . .
3737	52.0	+ 2 19	8.2	7.61	3758,3774	*09*,09
13001	52.0	−37 14	5.0	4.87	3755,3804,3833, 4517,4533	06,*02*,17, *05*,*16*
1915	52.1	+57 20	6.3	6.41	3775,3814,4101	03,*14*,11
2793	52.1	+48 44	5.5	5.70	3852,4101,4491	09,*11*,03
3580	52.2	+40 3	6.7	6.53	4162,4195	00,00
13574	52.2	−25 0	6.7	6.41	3083,3100,4157	26,*26*,01
13032	52.2	−39 40	6.7	6.17	3804,3833,4157	*15*,01,13
1929	52.3	+59 53	7.0	7.01	3855,4101	07,*07*
3411	52.3	+35 40	6.8	6.75	4091,4162	07,*07*
3738	52.3	+ 2 26	5.8	5.50	3758,3774,4477	09,*12*,02
5344	52.3	−20 33	7.8	6.73	3100,4165,4467	*19*,05,14
3182	52.4	+41 55	7.0	6.77	3780,3842,4101	06,22,*29*
4928	52.4	−22 40	7.0	6.04	3100,4165,4467	*20*,09,12
3719	52.6	+14 42	7.8	*7.14*		A . .
3826	52.6	+13 14	6.8	6.94	3753,3755,4158	07,*03*,*04*
604	52.7	+79 50	6.5	*6.33*		A . .
3125	52.7	+28 4	7.0	7.19	4114,4115,4163	22,*07*,*14*
2718	52.8	+47 18	6.9	7.11	3842,3843,3852	12,05,*18*
3017	53.0	+44 5	7.1	7.10	3780,3842	01,*02*
3672	53.0	+25 57	7.5	7.34	4114,4115	06,*07*
3267	53.3	+32 47	6.7	*5.10*		. . A
3411	53.3	+31 52	7.4	7.10	4195,4196	01,*02*
3837	53.4	+ 1 4	7.0	6.92	4158,4193	*11*,11
4826	53.4	− 5 47	7.3	7.34	3783,3784	10,*10*
5228	53.4	−12 43	6.9	6.96	3802,3804,4092	00,01,*01*
3989	53.5	+ 6 7	6.8	*6.38*		. A .
4650	53.6	− 4 52	7.4	*7.55*		A . .
5155	53.6	−18 42	7.0	6.34	3085,3100,3101, 3109	02,04,10, *18*
5255	53.6	−19 25	7.0	6.70	3085,3740,4092	*14*,16,*01*
2585	53.7	+46 37	7.0	7.08	3852,3855	*05*,04
3339	53.7	+36 20	7.0	6.69	4091,4162,4196	22,*21*,00
4935	53.7	− 9 7	7.5	7.42	3783,3784	*20*,21
3799	53.8	+17 14	5.8	5.30	3753,4158,4195	*16*,*02*,19
5172	53.8	−12 58	5.5	5.41	3802,4173,4476	*05*,04,02
15248	53.8	−28 11	7.5	7.71	3083,3100	05,*05*
1142	54.0	+67 1	7.5	7.42	3737,3769	03,*02*
2799	54.1	+45 43	7.0	7.21	3842,3852	03,*03*
3595	54.1	+24 34	7.5	*7.46*		A . .
3196	54.2	+41 58	7.3	7.42	3780,3842	09,*10*
3838	54.2	+13 46	6.4	*5.94*		. 17,*17*
13614	54.2	−25 5	6.6	6.42	3083,3100,4157	15,*17*,01
3513	54.3	+23 39	7.5	7.42	4114,4115	*04*,03
4007	54.3	+20 29	6.5	6.73	4114,4115	09,*09*
13017	54.3	−37 12	7.5	5.66	3823,3833,4157, 4486,4487	23,*10*,*14*, 05,*02*
13018	54.3	−37 12	7.5			
914	54.4	+71 39	7.5	6.94	3737,3769,4182	*04*,*05*,09
4439	54.4	− 2 58	7.4	7.41	3783,3784	*12*,12
13827	54.4	−33 22	7.5	7.29	4097,4157,4487	17,*18*,00
3858	54.5	+19 39	5.8	*6.30*		. . A
3841	54.5	+13 30	5.3	*5.46*		. 14,*15*
3951	54.5	+10 0	6.5	6.50	4158,4193	*07*,06
3373	54.6	+38 7	6.2	5.67	4162,4493,4500	*06*,*03*,08
2464	54.7	+51 35	7.3	7.72	3814,4101	09,*09*
5262	54.7	−19 48	7.3	*7.38*		A . .
3423	54.9	+30 2	6.8	6.54	4195,4196	08,*08*
13023	54.9	−37 2	7.5	6.88	3804,3823,3833	*05*,14,*08*
3593	55.0	+39 30	6.8	*7.42*		A . .
4007	55.0	+ 6 1	7.5	7.30	3758,3774	15,*16*
1922	55.1	+57 41	5.8	*5.83*		. . A
2167	55.1	+56 37	6.8	7.00	3775,3814,4101	*08*,*07*,16
3595	55.1	+39 38	6.7	*7.47*		A . .
3736	55.1	+14 56	3.9	*4.26*		08, . *07*
4809	55.1	− 7 32	7.4	7.62	3783,3784	*02*,03
3286	55.2	+32 33	3.2	*3.30*		. . A
3691	55.2	+16 7	6.6	6.93	3753,3755,4158	02,*12*,11
3749	55.2	+12 10	7.5	7.56	3753,3755	09,*09*
5263	55.2	−19 29	7.8	7.40	3085,4092	*14*,13
3287	55.3	+32 59	7.4	6.85	4195,4196,4493	09,*05*,*04*
3750	55.4	+12 45	7.0	7.14	3753,3755	13,*12*
3544	55.5	+40 33	6.5	*6.11*		11, . *11*
13118	55.5	−35 9	7.5	7.04	3804,3833,4157	03,*07*,05
915	55.6	+71 10	5.3	4.92	3769,4182,4187	06,15,*21*
3418	55.6	+26 5	5.8	*5.27*		. . A
3626	55.6	− 0 36	7.4	7.22	3783,3784	*03*,02
4946	55.6	−22 50	6.5	6.34	3100,4157,4157, 4165	20,*09*,*27*, 17
3549	55.7	+22 40	6.5	6.41	4115,4163,4195	03,13,*17*
660	55.8	+78 43	7.5	8.03	3737,3769,3807	*10*,05,06
1849	55.8	+58 4	6.6	6.31	3775,3814,4101	*12*,08,08
3602	55.9	+39 5	6.2	*6.26*		06, . *06*
3421	55.9	+26 50	7.5	6.70	4115,4163,4493	*15*,15,00
4663	55.9	− 4 35	6.8	*7.10*		A . .
5185	55.9	−15 25	6.5	6.36	3085,4173,4476	*02*,*10*,12
1309	56.0	+65 8	5.5	5.72	4103,4462,4487	*06*,08,*01*
13335	56.0	−34 46	7.7	7.19	3826,4097,4157	09,09,*18*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
13248	56.0	−36 14	7.5	7.22	3804,3823,3833	*08*,22,*14*
3132	56.1	+43 35	7.0	6.90	3780,3840,4101	19,*03*,*17*
5005	56.1	− 6 20	7.3	7.69	3783,3784	15,*15*
R	56.1	−42 14	. .	4.82	4528,4539,4544	23,*26*,04
3909	56.2	+18 20	7.5	7.95	3753,3755	04,*04*
3753	56.2	+ 2 21	7.8	7.20	3758,3774	*01*,02
3854	56.2	+ 1 54	7.2	7.07	3758,3774	*01*,01
16575	56.2	−30 1	3.1	2.57	3776,4158,4467,4486,4517,4533	*23*, R ,05,25,*01*,*07*
661	56.3	+78 50	7.5	7.72	3737,3769,3775	*01*,10,*09*
1669	56.3	+62 16	6.1	*6.44*		. . A
3212	56.3	+42 52	7.5	7.54	3780,3840	21,*22*
3424	56.3	+32 0	5.8	*5.10*		. . A
4840	56.3	− 5 53	4.7	*4.22*		04, . *04*
13655	56.4	−24 59	6.1	5.82	3083,4157,4467	*05*,*30*,34
2705	56.5	+50 41	6.2	*6.37*		05, . *05*
5009	56.5	− 6 20	7.3	8.08	3783,3784	*05*,05
13300	56.5	−38 24	6.1	5.70	3776,3804,3833,4486	*01*,*01*,04,*04*
3756	56.6	+ 2 28	7.3	7.33	3774,4158	09,*09*
3285	56.8	+33 37	7.0	*6.90*		. . A
3879	56.8	+19 10	6.5	6.42	4158,4193	*02*,01
683	56.9	+75 39	6.5	6.24	3737,3769,4462	*03*,*18*,20
3138	56.9	+43 7	6.9	7.19	3780,3840	11,*11*
3880	56.9	+20 1	7.0	*7.25*		A . .
3634	57.0	+21 22	6.7	6.86	4163,4164,4493	*11*,10,02
4022	57.0	+20 42	6.0	6.61	4115,4493,4507	02,09,*11*
1035	57.1	+68 10	7.0	7.47	3737,3769	*06*,06
3555	57.1	+40 33	6.9	6.70	4195	A
4926	57.1	−10 52	6.5	6.62	4092,4173	*05*,06
3606	57.2	+39 43	7.0	*7.62*		A . .
3429	57.2	+26 9	6.2	*5.53*		. . A
3770	57.2	+12 24	6.9	6.57	3753,3755,4158	*04*,03,02
5273	57.2	−19 23	6.1	6.12	3085,4173,4476	*06*,06,00
1864	57.3	+60 32	6.6	6.67	4136,4491,4493,4506	07,*09*,13,*12*
3206	57.3	+41 33	7.5	7.70	3780,3840	09,*08*
3607	57.3	+39 44	7.0	*7.67*		A . .
3287	57.3	+33 40	6.8	*6.15*		. . A
5275	57.3	−19 14	7.0	6.43	3085,4173,4476	*17*,01,15
3153	57.4	+28 16	7.0	6.78	4115,4163,4164	01,09,*09*
4829	57.4	− 7 52	7.5	8.00	3783,3784	02,*01*
3444	57.5	+29 23	6.8	*6.64*		*03*, . 02
3608	57.5	+24 53	6.7	7.17	4163,4493	01,*01*
3219	57.6	+42 7	6.6	6.70	3780,3840,4101	09,09,*19*
3561	57.6	+22 8	6.5	6.37	4163,4164,4195	*01*,*09*,11
3920	57.6	+19 2	7.6	7.46	3753,3755	*04*,04
3922	57.6	+18 59	7.1	6.85	3753,3755,4158	04,*06*,03
3968	57.6	+ 9 30	7.2	7.41	3758,3774	02,*02*
3951	57.6	+ 8 14	6.5	6.70	4136,4137,4138,	29,*15*,02,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4157	*18*
4460	57.6	− 3 51	5.7	*5.58*		. 21,*22*
2708	57.7	+50 24	4.8	*5.10*		. . A
4852	57.7	−11 20	6.7	7.02	3085,3740,4092	*10*,00,11
5259	57.7	−12 51	7.5	7.53	3740,3802	17,*17*
4958	57.7	−22 51	8.5	8.39	3100,3352,4544,4544,4545,4545,4546,4546	*15*,*34*,08,08,05,15,*10*,24
4848	58.0	− 5 42	7.0	7.10	3783,3784	04,*05*
16306	58.0	−31 12	5.9	5.43	3776,3826,4158,4486	*24*,07,08,10
3755	58.1	+14 26	7.4	6.80	3755,3758,3766	*01*,01,01
3295	58.2	+33 29	7.1	*6.33*		. . A
4088	58.2	+ 0 26	7.5	*7.06*		A . .
15008	58.2	−23 3	6.9	6.69	3100,4157,4165	*15*,*15*,31
13316	58.2	−38 7	7.5	7.21	3804,3823,3833	*21*,25,*05*
2739	58.4	+47 53	7.2	7.08	3840,3842	02,*03*
3042	58.4	+44 14	7.2	7.42	3780,3840	*10*,09
3210	58.4	+41 21	7.2	7.30	3780,3840	*05*,04
5233	58.4	−21 41	7.0	6.87	3100,4157,4165	*08*,01,08
3865	58.5	+ 1 40	6.0	*5.69*		. . A
2602	58.6	+46 47	5.5	*5.07*		. . A
3888	58.6	+19 31	6.0	6.14	4158,4193,4477	06,*13*,06
3765	58.6	+ 2 24	7.5	6.98	4477,4493	03,*03*
13693	58.6	−25 23	7.3	6.87	3829,4157,4165	*08*,03,05
5237	58.7	−21 53	4.2	3.93	3100,4157,4467	*04*,*09*,13
2137	58.8	+55 31	5.7	5.38	3775,4101,4491	10,*01*,*09*
3712	59.0	+16 56	7.2	7.46	3755,3758	*06*,06
13766	59.0	−26 17	7.6	7.42	3829,4157	*10*,09
13903	59.0	−33 56	7.5	7.49	3804,3826,4467	18,*03*,*14*
3838	59.1	+17 9	6.8	7.12	3755,3758	*11*,12
3882	59.1	+ 3 11	6.8	6.50	3774,3776,4158	02,*22*,20
3710	59.2	+25 41	7.3	6.93	4163,4164,4500	20,*11*,*08*
3713	59.3	+11 10	7.2	7.14	3755,3758,4532,4532,4532,4532	*07*,34,01,*25*,00,*05*
3648	59.4	+21 7	6.7	6.50	4163,4164,4195	12,*23*,10
4837	59.4	− 8 16	7.3	7.45	3784,3802	07,*07*
4836	59.4	− 8 48	7.0	7.48	3783,3784	*03*,04
1018	59.5	+69 23	6.3	6.40	4103,4182	*17*,17
3715	59.5	+16 19	7.2	7.04	3755,3766	02,*03*
15002	59.5	−24 50	7.6	7.28	4157,4165	*02*,01
15692	59.5	−29 14	7.0	6.92	3829,4157,4165	*07*,12,*06*
4683	59.6	− 4 11	8.1	7.15	3784,3802,4092	R,18,*18*
3842	59.7	+17 24	7.3	6.63	3753,3755,4158	*08*,12,*04*
4684	59.7	− 4 11	5.7	5.36	4092,4476,4478	23,*06*,*16*
16334	59.7	−31 51	7.5	7.95	3804,3826,4097	*11*,05,07
13048	59.7	−37 12	4.0	4.21	3099,3776,3807,4157,4158,4158,4486	19,*32*,14,02, R , R ,*02*
2326	59.8	+52 7	6.3	6.42	3775,3814,4101	*01*,00,02

18^h — 19^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3620	59.8	+39 48	7.8	*8.02*		A . .
5223	59.9	−15 49	5.8	5.81	3085,3101,4476	*07*,*19*,25
3960	0.1	+ 8 20	8.4	8.47	4137,4138,4157	*19*,*03*,23
3641	0.1	− 1 5	7.1	6.94	3783,3784,4173	*05*,11,*06*
3642	0.1	− 1 40	6.5	6.45	3107,3788,4173	02,12,*14*
5274	0.1	−12 9	7.5	7.88	3101,3740	*17*,16
13551	0.1	−27 26	7.5	7.17	5093,3829	*15*,14
13049	0.1	−37 57	6.8	6.22	3772,3823,3852	*17*,15,02
3309	0.3	+34 0	7.2	7.12	4137,4164,4180	*01*,*04*,05
3228	0.3	+27 10	7.4	7.05	4163,4164	06,*06*
3683	0.3	+15 35	7.5	6.84	3755,3766,4193	08,04,*11*
3979	0.3	+ 9 30	7.0	*6.93*		. A .
3549	0.5	+23 11	6.9	6.94	4163,4164,4177	05,*18*,13
3943	0.5	+19 0	6.5	6.61	3755,3766,4193	*11*,01,10
15043	0.5	−23 25	7.4	7.41	4157,4522,4528,4533	*06*,*07*,08,04
3219	0.6	+41 49	7.5	7.98	3780,3840	23,*23*
3901	0.6	+19 7	7.2	7.53	3755,3766	03,*03*
1937	0.7	+59 59	7.0	6.94	4101,4136	02,*01*
3630	0.7	+39 58	7.5	*7.97*		A . .
3312	0.7	+33 56	7.5	7.22	4137,4164	08,*09*
3969	0.7	+ 4 8	7.2	6.91	3774,3776,4193	21,*25*,05
4987	0.7	− 9 47	6.6	6.60	4173,4174	12,*11*
4871	0.7	−11 48	7.5	7.62	3101,3740	09,*08*
5223	0.7	−13 27	7.5	8.00	3740,3802,4173	11,*02*,*10*
13564	0.7	−27 49	3.6	3.49	3093,3829,4196	*07*,23,*15*
3899	0.8	+13 43	3.0	2.96	3469,3473,4196	08,07,*15*
3727	0.8	+11 7	7.5	7.50	3755,3758,3776	*17*,31,*14*
4014	0.9	+ 6 24	7.0	*6.88*		. A .
4876	0.9	− 5 2	3	*3.48*		*03*, . 03
5278	0.9	−12 2	7.0	7.10	3101,3740	*09*,09
3328	1.0	+37 58	7.4	7.90	4091,4137,4162	10,04,*13*
4977	1.0	−22 39	7.2	6.83	3093,4157,4522,4528,4533	00,05,16,*30*,07
845	1.1	+73 59	6.8	6.99	3472,3737,4103	01,01,*01*
3453	1.1	+31 36	6.0	5.87	4137,4500,4507	10,04,*13*
3409	1.1	+30 35	6.5	6.42	4164,4500	*08*,07
5153	1.1	−16 23	6.2	5.87	3772,4173,4196	*22*,06,17
3148	1.2	+43 43	6.8	6.78	3780,3840,4101,4136,4136,4137,4137,4138,4138,4157,4157,4538,4538,4544,4544,4545,4545	27,14,*34*,*23*,*20*,21,05,39,16,*12*,*16*,12,00,09,*09*,*03*,*18*
3719	1.2	+25 46	7.5	7.22	4163,4164	*13*,12
3784	1.2	+11 3	8.5	8.44	4538,4538,4544,4544,4545,4545,4546,4546	*01*,02,*05*,*08*,*01*,04,00,07
15403	1.2	−28 48	6.5	6.19	3093,3829,4157	*09*,08,01
5206	1.3	−18 54	6.5	*6.37*		. A .
13061	1.3	−40 39	5.0	4.70	3776,3807	34,*34*
2825	1.4	+48 44	7.5	7.58	3840,3842	*01*,01
3649	1.4	− 1 30	6.8	6.72	3092,3107,4173	06,15,*20*
4021	1.5	+ 7 0	7.2	6.72	3473,3774,4200	18,*17*,*02*
5478	1.5	−17 23	7.1	7.31	3740,3772	17,*17*
13411	1.5	−34 38	7.5	7.84	3804,3826,4097,4157,4522,4539,4542	08,11,13,*20*,*13*,*11*,12
1674	1.6	+62 33	6.7	7.03	3472,3737,4103	*01*,*12*,14
2825	1.6	+45 45	6.8	6.73	4101,4136	19,*19*
4023	1.7	+ 6 44	7.3	*7.14*		. A .
13750	1.7	−25 52	7.5	7.53	3093,3829	*18*,18
2080	1.8	+54 14	7.5	7.65	3775,3814	00,00
3690	1.8	+15 42	7.3	7.24	3755,3766	*13*,14
3472	1.9	+29 46	6.5	6.77	4163,4164	*05*,05
13590	2.0	−27 0	7.2	7.02	3093,3829	16,*15*
4106	2.1	+ 0 30	7.0	6.41	4193,4196,4200	09,*20*,10
15041	2.1	−24 49	6.7	6.07	3093,4157,4165	*06*,07,*01*
712	2.2	+76 55	6.5	6.49	3472,3737,4103	*19*,03,16
3228	2.2	+42 1	7.0	*7.50*	3780,3840	06,*06*
3657	2.3	− 1 16	7.5	7.68	3092,3107	00,*01*
1808	2.4	+61 57	7.0	7.02	3737,3769	05,*05*
3979	2.4	+ 5 4	7.4	*7.55*		A . .
5312	2.4	−19 27	6.0	*5.39*		20,03,*22*
3640	2.5	+24 6	5.4	*5.76*		. 13,*12*
4035	2.5	+ 6 0	6.9	*7.11*		A . .
2178	2.6	+53 14	5.4	5.25	3779,4101,4196	*02*,03,00
2929	2.6	+49 47	6.3	6.48	4101,4136	22,*21*
3666	2.6	+22 2	7.2	7.10	4163,4164	10;*11*
4859	2.6	− 8 0	7.0	6.96	3092,3776,4173	*04*,10,*06*
13770	2.6	−25 14	7.0	6.71	3093,3829,4157	10,10,*19*
3193	2.7	+28 28	5.7	*5.43*		. . A
3898	2.7	+ 1 38	8.1	7.83	3772,3774,3776	04,21,*24*
15088	2.7	−23 21	7.1	6.54	4157,4165,4165,4522	*14*,00,03,13
13350	2.7	−38 4	4.2	4.08	3095,3099,3807,4158,4165,4174,4472,4486,4517,4522	*14*,19,*14*,R,01,13,R,*04*,*10*,10
13074	2.7	−39 59	7.1	6.45	3095,3099,3804,3823,4157,4165,4174,4522,4539,4542	*12*,24,16,*39*,28,*15*,*12*,*12*,18,05
4026	2.8	+ 6 50	7.0	7.06	3473,3774	00,00
5241	2.8	−13 7	7.2	7.48	3740,3802	04,*05*
3594	2.9	+22 25	7.0	7.24	4163,4164,4177	*02*,*02*,04
5317	2.9	−19 7	7.4	6.70	3802,3804,4173	15,*03*,*12*
13355	2.9	−36 20	6.6	6.39	3109,3804,3823	*03*,*03*,07
1040	3.0	+68 10	7.0	6.94	3737,3769,4103	05,07,*13*
3341	3.0	+37 14	7.3	7.39	4091,4137	*02*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	3.0	−42 3	. .	5.63	4528,4539,4544	07,*20*,14
1819	3.1	+65 26	7.3	*7.15*		A . .
3232	3.1	+41 16	6.3	*6.30*		. . A
13146	3.1	−39 30	4.1	4.32	3095,3099,3107,	*36*,11,*25*,
					3776,3807,3852,	40,14,08,
					3852,4114,4165,	01,13,02,
					4165,4472,4486,	*08*, R ,*08*,
					4517,4542	*25*,10
3480	3.2	+35 58	7.3	7.31	4137,4162	*09*,09
3958	3.2	+18 23	7.5	7.18	3755,3766	03,*03*
3899	3.2	+ 1 9	7.5	*7.49*		A . .
3992	3.4	+ 9 26	7.0	*7.52*		. A .
3919	3.5	+19 42	7.3	*7.70*		A . .
3752	3.5	+16 43	5.5	*6.04*		. . A
3326	3.6	+32 21	6.0	*5.13*		. . A
3818	3.6	+12 6	7.5	7.50	3755,3766	*03*,04
13620	3.6	−27 17	7.3	6.79	3093,3829,4183	*17*,*03*,20
1322	3.7	+65 3	7.5	*7.75*		A . .
3485	3.7	+35 57	5.2	5.05	4162,4500,4507	*01*,11,*09*
3672	3.7	+21 32	6.2	*6.16*		. . A
4872	3.7	− 2 27	7.0	6.79	3092,3776,4173	09,*03*,*07*
5249	3.7	−13 37	7.5	7.13	3740,3802	03,*03*
3819	3.8	+12 57	6.8	6.97	3755,3766,4196	06,*06*,01
5275	3.8	−21 11	3	*2.97*		. *14*,14
3431	3.9	+34 14	7.5	7.18	4137,4164	00,00
3733	3.9	+25 51	7.0	7.26	4163,4177,4180	02,02,*04*
3650	3.9	+24 34	6.5	6.62	4163,4177	*01*,00
5415	3.9	−19 58	6.5	*6.33*		A . .
547	4.0	+83 47	6.5	*6.81*		A . .
3596	4.1	+40 54	6.8	7.01	4137,4164	13,*13*
3735	4.1	+25 13	7.5	*7.56*		A . .
3797	4.1	+14 17	6.8	*6.74*		A . .
4040	4.1	+ 5 55	5.0	5.35	3473,4196,4200	*10*,10,*01*
16718	4.1	−30 10	6.7	6.53	3804,3826,3852	05,09,*15*
2830	4.2	+48 46	7.0	7.34	3840,3842	09,*10*
3160	4.2	+43 10	7.2	7.31	3780,3840	03,*03*
3758	4.2	+16 42	6.5	6.43	3758,4196,4200	*07*,*04*,11
13156	4.2	−39 10	6.9	5.94	3095,3109,3804	*11*,*08*,20
1947	4.3	+59 8	7.4	7.46	3775,3779	*04*,04
3749	4.3	+11 8	6.6	6.68	3755,3758,3774	*05*,11,*05*
3441	4.4	+38 46	7.0	7.48	4137,4164,4180	*12*,15,*04*
1949	4.5	+59 56	7.3	*7.41*		A . .
3572	4.5	+24 1	7.0	6.96	4163,4177,4180	14,00,*15*
3802	4.5	+14 37	7.2	6.70	4196,4200	*16*,17
3752	4.6	+11 28	7.4	7.07	3755,3774	*24*,24
3801	4.6	+10 4	7.2	*7.47*		A . .
572	4.7	+82 13	6.0	*6.80*		02, . *03*
2506	4.7	+51 30	7.5	7.94	3775,3779,4101,	18,10,*25*,
					4136,4200	*13*,09
3662	4.7	− 0 36	7.0	6.39	3107,3776,4173	*02*,*04*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4872	4.7	− 7 26	7.3	7.44	3783,3784	*02*,03
5022	4.7	− 9 19	7.5	8.12	3783,3784	03,*02*
3445	4.8	+39 0	6.9	7.55	4137,4164,4180	16,17,*33*
3803	4.8	+10 57	7.5	7.14	3755,3774	07,*08*
3438	4.9	+30 8	7.0	6.90	4137,4164	*11*,10
15084	4.9	−24 21	7.8	7.44	4165,4183	*19*,19
15804	5.0	−29 40	6.5	6.12	3093,3829,4186	02,05,*07*
3164	5.1	+43 53	7.5	7.68	3840,3842	07,*07*
3437	5.1	+34 35	6.5	*6.62*		00, . 01
3449	5.2	+38 20	7.2	7.77	4137,4164	*01*,01
5299	5.2	−12 18	7.5	7.62	3740,3802	*07*,07
5259	5.2	−15 15	7.5	*7.75*		A . .
13998	5.2	−33 32	8.0	8.16	3804,3826,4165,	*30*,36,03,
					4183,4522,4539,	18,11,*05*,
					4542	*33*
3439	5.4	+34 26	6.5	*6.51*		*19*, . 19
13090	5.4	−37 45	7.0	6.47	3109,3804,3823	*24*,09,15
2512	5.5	+51 57	7.5	8.24	3775,3779	15,*14*
3442	5.5	+30 24	7.0	6.69	4137,4164	*03*,03
5054	5.5	− 6 47	6.8	6.66	3783,3784,4173	*03*,15,*11*
1947	5.7	+57 55	7.4	7.84	3775,3779	*02*,01
4876	5.7	− 7 36	7.0	6.76	3783,3784,4173	*05*,04,00
13091	5.8	−37 42	7.3	6.86	3095,3804,3823,	*26*,*09*,27,
					3833	06
4877	5.9	− 8 1	8.6	8.53	3784,3829,4202,	*14*,04,*12*,
					4202,4203,4203,	*21*,11,02,
					4206,4206,4561,	11,*06*,19,
					4561	03
604	6.0	+80 18	7.0	*8.07*		A . .
2188	6.1	+53 28	7.5	8.18	3775,3779	*09*,09
2350	6.1	+52 16	6.2	5.93	3775,3779,3814	15,13,*28*
2734	6.1	+50 12	7.4	6.66	4101,4136	02,*02*
3813	6.1	+10 11	7.5	*7.47*		A . .
4004	6.1	+ 5 1	7.5	*7.61*		A . .
13476	6.1	−34 1	7.5	6.67	3804,3826,3852,	*09*,26,*06*,
13477	6.1	−34 1	7.7		4097,4165,4183,	22,15,06,
					4522,4542,4544	*19*,*13*,*24*
3987	6.2	+ 7 58	7.2	*7.39*		. A .
4056	6.2	+ 5 6	7.4	6.90	4196,4200	*23*,24
5317	6.2	−14 45	6.8	*7.36*		A . .
2152	6.3	+55 10	7.2	*7.31*		A . .
3357	6.3	+37 38	6.5	6.76	4137,4164,4180	05,*05*,00
3501	6.3	+35 30	6.8	6.58	4137,4164	02,*01*
13375	6.3	−38 51	7.3	6.75	3095,3109,3804	*25*,*05*,29
4069	6.4	+21 1	7.4	7.88	4163,4177	*11*,11
5292	6.5	−21 50	7.0	6.42	4165,4183,4186	*19*,15,04
715	6.6	+77 31	7.3	7.47	3737,3769	*06*,06
3504	6.6	+35 25	7.5	*7.42*		A . .
3721	6.6	+15 37	7.5	7.15	3753,3755	12,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
1819	6.7	+61 31	7.4	8.29	3737,3769	07,*07*
1820	6.8	+61 26	7.5	8.30	3737,3769	08,*07*
3483	6.9	+31 28	7.3	7.14	4137,4164	*23*,24
3586	7.0	+23 19	6.8	6.84	4163,4177,4180	*03*,*15*,19
13936	7.0	−26 5	6.3	5.86	3093,3829,4165	*01*,10,*10*
3815	7.1	+ 2 27	7.0	6.71	3469,3473,4196	14,*05*,*10*
4903	7.1	− 5 35	7.5	7.54	3783,3784	25,*25*
3073	7.2	+44 22	7.3	*7.17*		A . .
3617	7.2	+22 13	7.5	7.86	4163,4177	00,00
4904	7.2	−11 43	7.2	7.69	3740,3802	03,*03*
3258	7.3	+42 26	7.0	7.38	3780,3840	03,*03*
3253	7.3	+41 50	7.2	7.13	3780,3840	06,*06*
4887	7.3	− 8 7	5.7	5.47	3107,4173,4202	14,00,*13*
3474	7.4	+26 34	7.4	6.32	4163,4177,4500	06,01,*08*
14035	7.5	−33 37	8.7	8.75	4544,4544,4545,4545,4546,4546	13,*21*,02,*18*,03,20
3477	7.6	+26 5	7.5	*7.40*		. . A
2844	7.7	+48 16	7.0	7.18	3840,3842	00,01
3466	7.7	+38 37	7.3	7.51	4137,4164,4180	*04*,02,02
4069	7.7	+ 5 52	7.3	7.40	3473,3774	*02*,01
5311	7.7	−12 27	5.9	*5.49*		. . A
13699	7.8	−27 3	7.1	7.04	3093.3829	*16*,17
3497	7.9	+31 7	6.0	*5.80*		. . A
1872	8.0	+58 6	7.0	7.72	3775,3779	03,*04*
1878	8.0	+58 18	6.9	7.62	3775,3779	00,01
4004	8.0	+ 8 26	8.0	7.57	4137,4137,4138,4138,4157,4157,4538,4538	*01*,*01*,12,09,*14*,*01*,08,*10*
3620	8.1	+40 16	6.3	*6.12*		05, . *05*
3887	8.1	+17 50	7.5	7.22	3753,3755	*06*,06
3775	8.1	+16 40	7.0	6.44	3753,3755,4196	*01*,02,*01*
5021	8.1	−22 14	7.3	6.92	4165,4183,4522	*17*,24,*06*
3690	8.3	+21 23	6.0	6.14	4163,4177	*04*,03
16800	8.3	−30 1	7.0	7.10	3804,3826,3852	06,00,*07*
4913	8.4	−11 23	7.3	7.96	3740,3802	02,*01*
5339	8.4	−14 13	6.5	*7.27*		A . .
15872	8.4	−29 25	7.6	7.12	3093,3829,4157	12,*08*,*05*
13186	8.4	−39 51	7.5	7.78	3804,3823,3833,4200,4200,4206,4522,4539,4542	14,28,*26*,*20*,*03*,*48*,46,00,09
3675	8.5	+39 46	7.2	*7.22*		A . .
932	8.6	+71 55	7.2	7.00	3737,3769,4103	*05*,02,04
3677	8.6	+39 15	7.1	7.33	4137,4164	*11*,11
1821	8.7	+61 46	7.5	7.78	3737,3769	04,*04*
3775	8.7	+11 10	6.9	6.94	3755,3758,4196	03,04,*06*
3824	8.7	+ 2 7	5.6	5.03	3469,3473,4196	*08*,15,*08*
2527	8.8	+51 51	7.3	7.88	3775,3779	05,*04*
3523	8.8	+36 0	6.8	*6.80*		*08*, . 07
3829	8.8	+14 52	6.5	6.64	4196,4200	*11*,11
3830	8.8	+14 46	7.5	*7.44*		A . .
3831	8.8	+14 26	7.5	7.78	3755,3758	05,*06*
4081	8.8	+ 5 20	6.0	6.33	3774,4196,4200	11,*01*,*10*
4900	8.8	− 8 54	6.9	6.54	3783,3784,4173,4476,4478,4487	03,*54*,11,12,04,22
13116	8.9	−37 8	7.3	6.78	3095,3804,3823	*17*,*06*,22
3240	9.0	+29 3	7.0	6.93	4163,4177,4180	*08*,00,07
5535	9.0	−17 32	6.8	7.38	3740,3802	*06*,05
3624	9.1	+41 4	7.2	7.33	4137,4164	01,*01*
4007	9.1	+ 8 52	7.3	*7.35*		. A .
3683	9.1	− 1 19	7.4	7.48	3776,3783,4173,4200	*04*,16,*05*,*07*
14068	9.2	−33 43	7.4	7.38	3804,3826,3852,4183,4186,4186	*04*,*01*,07,*06*, R ,05
3949	9.3	+20 1	7.5	*7.95*		A . .
1326	9.4	+65 49	6.9	6.10	3472,3737,4201	01,*02*,00
4002	9.4	+ 7 36	7.2	6.95	3469,3473,4196	*01*,06,*05*
15161	9.4	−24 21	6.7	6.07	4157,4522,4528	*03*,19,*16*
13866	9.4	−25 26	5.4	*4.80*		. *11*,11
2959	9.5	+49 39	6.2	5.90	3840,4101,4201	08,*05*,*04*
2779	9.5	+47 12	6.5	6.67	3840,3842,4101	09,*05*,*03*
3778	9.6	+11 32	7.0	6.93	3755,3758,4196	*14*,16,*01*
5464	9.6	−19 58	7.3	*7.63*		A . .
2209	9.7	+56 41	5.5	5.20	3779,4101,4201	22,*33*,10
3757	9.7	+25 35	6.9	6.88	4163,4177	00,*01*
5220	9.7	−16 17	7.1	7.50	3740,3802	07,*08*
4087	9.8	+ 5 52	7.0	*7.24*		. A .
3998	9.9	+18 53	7.0	7.69	3753,3755	03,*03*
15172	9.9	−24 54	7.5	7.34	4165,4183	*12*,12
16828	9.9	−30 39	7.0	7.02	3826,4165,4183	03,*13*,09
13532	9.9	−34 0	7.8	7.37	3804,3826,3852	*08*,18,*11*
5077	10.0	− 6 14	6.5	6.56	3107,3783,4173	08,*08*,01
13875	10.0	−25 51	7.8	7.36	3829,3857	*08*,07
3687	10.2	+24 50	7.4	*7.16*		A . .
3839	10.2	+10 14	7.0	*7.07*		A . .
15017	10.2	−32 4	7.0	7.25	3826,3852,4102	*13*,22,*10*
3458	10.3	+36 14	6.9	*6.97*		. . A
1961	10.4	+57 28	7.2	6.99	3779,3801,3807	04,*05*,02
3490	10.4	+38 58	4.5	4.61	4164,4539,4542	*08*,*03*,10
4039	10.4	+10 2	7.0	*7.02*		A . .
3378	10.6	+34 2	7.3	7.39	4137,4164	00,00
3743	10.6	+16 1	7.0	7.08	3753,3755	14,*15*
15606	10.6	−28 51	7.2	7.57	3829,4102,4183	*18*,27,*08*
3956	10.7	+20 2	6.0	5.97	3755,4196,4200	*05*,03,02
3845	10.7	+14 54	8.2	*7.80*		04,*03*, .
3846	10.8	+14 54	6.1	*5.74*		05,10,*14*
3475	10.9	+34 22	7.2	7.08	4137,4164	*09*,09
4912	10.9	− 8 52	7.5	7.37	3783,3784	*11*,11
4929	10.9	−11 45	7.5	7.68	3740,3802	08,*08*
3514	11.0	+31 40	7.0	6.70	4137,4164,4171	11,*06*,*06*
3307	11.0	+27 46	7.2	6.69	4168,4171,4500	15,*05*,*11*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4088	11.0	+21 3	6.0	*5.47*		. . A
2857	11.1	+48 12	7.3	7.38	3801,3807	*02*,02
3959	11.1	+19 14	7.2	*7.10*		A . .
936	11.2	+72 5	7.5	7.40	3737,3769	*13*,12
4011	11.2	+18 20	6.3	6.71	3753,3755,4185	27,*17*,*10*
4932	11.3	−11 10	7.0	7.04	3740,3802	02,*02*
614	11.4	+79 29	7.5	7.90	3769,3775	*09*,08
3491	11.5	+30 21	5.8	*6.03*		. . A
3747	11.5	+15 59	6.8	*7.04*		A . .
5375	11.5	−19 23	9.1	8.72	4522,4523,4539	*07*, R ,06
4045	11.6	+ 4 40	5.7	*5.38*		. *11*,11
5289	11.6	−18 46	8.7	8.14	4522,4523,4539	*01*, R ,01
2858	11.7	+48 32	7.0	7.22	3801,3807	*15*,15
4075	11.7	+ 6 24	7.2	6.52	3469,3473,3758	00,*09*,09
5249	11.7	−16 16	7.4	7.70	3740,3802	*01*,02
5379	11.8	−19 8	5.3	5.06	3740,4173,4196	02,00,*02*
14106	11.8	−33 20	7.7	7.52	3826,3852,4102	04,*13*,10
3504	11.9	+38 33	7.3	7.55	4164,4171	13,*13*
3313	11.9	+27 17	7.0	*6.27*		. . A
3713	11.9	+21 13	4.7	*4.52*		. . A
3852	11.9	+14 23	5.9	*5.50*		. *03*,03
5253	11.9	−16 9	6.8	6.54	3740,3802,4173	*10*,00,09
3314	12.0	+27 45	6.2	6.43	4163	A
1968	12.1	+57 32	5.8	*5.26*		. . A
3494	12.1	+31 4	6.9	6.84	4164,4171	15,*14*
3495	12.1	+30 52	6.8	6.86	4164,4171	08,*07*
3504	12.1	+26 41	7.5	7.11	4163,4171	03,*03*
4158	12.1	+ 0 20	7.5	*7.53*		A . .
2170	12.3	+55 46	7.0	6.85	3775,3779,4101	00,07,*07*
3394	12.3	+37 8	7.5	7.41	4164,4189	09,*09*
2865	12.4	+45 9	6.9	*7.32*		A . .
3645	12.4	+40 12	7.0	*7.07*		A . .
4014	12.4	+18 49	7.0	6.97	3753,3755,4185	*10*,*06*,17
5387	12.4	−19 3	8.0	6.82	3740,3802,4173,	*03*,15,16,
					4522,4523,4528	*06*, R ,*23*
14114	12.4	−33 28	7.5	7.05	3826,3852,4102	*04*,04,01
1129	12.5	+67 29	3.4	3.25	3469,3472,3472,	36,22,*04*,
					3473,3477,3481,	*09*,*01*,03,
					3731,3737,3740,	11,*10*,06,
					3762,3769,3772,	10,*09*,*23*,
					3776,3780,3781,	*21*,16,*11*,
					3801,3807,3810,	*06*,*31*,47,
					3814,3823,3829,	02,17,*04*,
					3830,3840,3842,	*06*,17,14,
					3843,4091,4092,	21, T ,06,
					4101,4103,4114,	06,*17*,*02*,
					4115,4122,4137,	*05*,05,*05*,
					4138,4158,4165,	*17*,*15*,*03*,
					4171,4177,4180,	*14*,13,*02*,
					4182,4186,4187,	*06*,*12*,14,
					4192,4193,4200,	*02*,*12*,*02*,
					4201,4202,4203,	13,06,*05*,
					4455,4456,4458,	*20*,14,*08*,
					4462,4472,4476,	*15*,08,15,
					4486,4487,4493,	*11*,15,01,
					4500,4504,4506,	*01*,04,14,
					4507,4522,4523,	*19*,05,07,
					4529,4532,4533,	05,*09*,*22*,
					4538	*03*
1974	12.5	+59 22	7.2	7.74	3775,3779	06,*07*
1831	12.6	+62 1	7.5	8.28	3775,4103	*23*,22
5390	12.6	−19 15	9.2	8.83	4523,4539,4542	R ,*26*,26
14116	12.6	−33 21	7.7	7.73	3826,3852,4102,	12,04,07,
					4165,4539	*26*,02
2968	12.7	+49 55	6.3	6.26	4101,4136	16,*17*
5298	12.7	−18 52	8.0	7.20	4522,4523,4528	01, R ,00
13135	12.7	−37 5	7.3	6.89	3095,3109,3804,	*38*,01,06,
					4102,4539,4542,	37,*01*,*06*,
					4561,4561	05,*01*
717	12.8	+76 24	5.5	5.18	3769,4103,4201	08,02,*10*
1976	12.8	+59 31	6.7	*7.46*		A . .
3960	12.8	+ 1 52	6.5	*6.02*		. . A
3701	12.8	− 1 7	7.5	7.20	3776,3783,4174,	R ,09,*03*,
					4208,4476,4478,	*08*,06,*07*,
					4487	04
4927	12.8	− 5 36	7.4	7.78	3783,3784	04,*03*
5299	12.8	−18 54	8.5	8.00	4523,4528,4539	R ,07,*06*
13484	12.8	−36 50	7.3	7.07	3095,3109,3804,	*13*,05,05,
					4102,4544	16,*14*
3398	12.9	+37 57	4.6	*4.58*		. . A
3379	13.0	+32 57	7.5	7.01	4164,4189	19,*19*
3790	13.1	+11 25	5.4	*5.14*		. 09,*08*
5380	13.1	−14 43	7.5	*7.91*		A . .
13393	13.1	−35 36	5.9	5.59	3101,3107,3109,	*06*,*01*,24,
					3477,3481,3804,	*12*,18,13,
					3807,3810,3814,	24,00,09,
					3823,3826,3833,	*07*,*16*,*10*,
					4114,4115,4158,	*28*,*19*, R ,
					4186,4486,4517,	*14*,*06*,41,
					4542,4545	*16*,06
3719	13.2	+21 38	7.3	6.72	4138,4163,4500	*04*,08,*04*
5310	13.3	−15 42	6.0	6.21	3802,4173,4196	01,00,*02*
3647	13.4	+22 16	7.5	6.87	4138,4163,4500	01,*05*,04
4057	13.4	+ 4 57	7.0	*7.25*		A . .
5272	13.4	−16 5	6.8	7.20	3740,3802	03,*04*
3648	13.5	+22 51	6.1	*5.24*		. . A
4166	13.5	+ 0 15	7.0	*6.74*		14, . *14*
4168	13.5	+ 0 55	5.0	*5.24*		. . A
16902	13.5	−30 52	7.3	8.17	3810,3814,3826	07,*13*,07
2969	13.7	+49 16	7.8	7.40	3801,3807	*14*,15

19ʰ

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2868	13.7	+48 12	7.2	7.44	3801,3807	01,*01*
3518	13.7	+38 52	6.7	7.09	4164,4189,4192	*14*,08,07
1179	13.8	+66 57	7.5	6.81	3769,3775,4103	21,*20*,*02*
2113	13.8	+54 47	7.5	*8.11*		A . .
4170	13.8	+ 0 10	7.0	*6.49*		22, . *22*
3292	13.9	+41 5	7.0	7.08	3780,3801	12,*12*
3520	13.9	+38 57	6.7	6.56	4164,4189,4192	*01*,*21*,21
2658	14.0	+46 49	6.1	*6.00*		. . A
3708	14.0	+24 14	7.4	7.06	4138,4163	*13*,12
3809	14.0	+16 31	7.2	7.18	3753,3755	*09*,09
15071	14.0	−32 0	6.9	6.70	3477,3481,4183,4186,4539,4542,4544	*17*,*09*,10,26,03,*20*,07
13422	14.0	−38 55	7.5	7.20	3095,3109,3804	*20*,00,19
3502	14.1	+30 50	6.9	6.40	4189,4192	*23*,22
3762	14.1	+15 30	7.5	*7.74*		A . .
4057	14.1	+ 9 27	6.0	*6.40*		12,04,*16*
3812	14.2	+16 19	6.6	6.92	3753,3755,4185	*03*,*11*,14
3786	14.3	+25 53	7.2	7.32	4163,4171	11,*12*
607	14.4	+80 33	7.2	*7.53*		A . .
3975	14.5	+19 26	6.8	6.46	4185,4200	00,00
5392	14.5	−14 37	7.3	*7.86*		A . .
5094	14.6	− 9 35	7.5	*7.46*		A . .
5063	14.6	−22 36	6.4	*5.50*		. 00,*01*
15236	14.6	−24 23	7.2	6.95	4102,4157,4186,4196	08,*13*,24,*19*
3981	14.7	+13 59	7.4	7.32	3755,3758	02,*01*
5103	14.7	− 6 48	7.0	6.99	3107,3783,4173	*15*,02,12
2216	14.8	+53 11	4.5	3.94	3465,3468,3775	12,*29*,17
5035	14.9	−10 44	7.3	7.34	3740,3802	06,*06*
13422	14.9	−35 10	6.9	6.42	3095,3477,3481	02,*05*,04
2548	15.0	+51 10	7.4	7.60	3775,3779	26,*26*
3840	15.0	+27 5	6.7	7.02	4163,4171,4177,4180	*04*, R ,04,00
3879	15.0	+12 12	5.5	*5.44*		. 09,*10*
3521	15.1	+26 45	7.2	7.36	4163,4177	*01*,02
3625	15.1	+23 7	7.4	7.50	4138,4163	*04*,05
4114	15.1	+ 5 25	8.0	7.46	3774,4185	*01*,00
4115	15.1	+ 5 25	7.2	*7.71*		A . .
3410	15.2	+37 24	7.5	*7.78*		. . A
3801	15.2	+11 52	7.5	7.36	3755,3766	*07*,08
3802	15.2	+11 21	6.2	6.07	3766,4185,4200	*15*,15,00
4936	15.2	− 5 36	5.0	5.10	3107,3784,4202	04,12,*15*
3409	15.3	+33 13	6.8	6.32	4164,4187,4189	14,05,*20*
4071	15.3	+ 4 36	6.8	6.90	4185,4200	*03*,02
3715	15.3	− 1 29	7.0	6.58	3107,3783,4173	09,*03*,*06*
4946	15.3	− 2 40	7.3	7.71	3783,3784	*20*,20
4961	15.3	−11 29	7.2	7.36	3740,3802	05,*05*
16026	15.3	−29 47	7.1	7.10	3829,3852	*11*,12
3716	15.4	− 1 4	5.3	5.42	3107,4173,4202	*25*,12,12

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	15.4	−44 39	. .	4.22	4092,4114,4487,4507	23,*23*,21,*19*
R	15.5	−44 38	. .			
609	15.5	+80 35	7.1	*7.50*		A . .
3413	15.5	+37 16	6.2	*6.22*		. 02,*02*
4781	15.5	− 4 41	7.0	*7.40*		A . .
14096	15.5	−26 21	7.2	7.40	3829,4102	*03*,04
3544	15.6	+31 47	7.1	6.64	4164,4187,4507	20,*20*,01
3985	15.6	+13 58	7.5	7.62	3755,3758	*20*,21
5408	15.6	−19 18	9.1	9.27	4523,4539,4542	R ,03,*03*
3665	15.7	+40 11	6.6	6.68	4164,4187	05,*04*
4099	15.7	+ 6 28	7.3	7.80	3469,3473	*03*,04
16041	15.7	−29 42	7.0	7.02	3829,3852,4102	*15*,01,14
5412	15.8	−19 25	6.5	6.42	4173,4174,4523,4528,4539	*10*,*05*, R ,*21*,38
1702	15.9	+63 2	6.5	6.91	3472,3769,4103	*18*,17,01
5598	15.9	−17 25	7.2	7.40	3740,3802	15,*14*
5322	15.9	−18 2	4.0	*3.97*		. . A
2977	16.0	+49 23	6.3	6.14	4101,4136	17,*18*
3527	16.0	+26 28	7.5	7.55	4163,4177	*29*,29
3528	16.0	+26 29	7.5	7.40	4163,4177	03,*03*
3720	16.0	− 1 21	7.2	7.06	3107,3783	*09*,10
5283	16.0	−16 8	4.7	4.44	3802,4173,4202	*21*,08,13
15110	16.0	−32 7	7.3	7.24	3810,3814,3826,4102,4183,4186,4196	63,*23*,*01*,04,*18*,*02*,*24*
R	16.0	−44 59	. .	4.51	4114,4478,4487,4507	10,05,21,*36*
4073	16.1	+ 4 55	7.5	*7.25*		A . .
5325	16.1	−18 29	6.4	*5.99*		. . A
3417	16.2	+37 9	6.2	*6.33*		. . A
3502	16.2	+36 35	7.1	7.43	4164,4187	09,*09*
3573	16.2	+35 21	7.3	*7.82*		A . .
3988	16.2	+13 23	7.0	*7.00*		. A .
1996	16.3	+59 39	6.7	*7.66*		A . .
3312	16.3	+41 5	7.5	7.76	3780,3801,3840	*02*, R ,01
3670	16.3	+40 5	7.1	*7.42*		A . .
4074	16.4	+ 4 57	8.2	*8.40*		A . .
3550	16.6	+31 55	7.0	6.64	4164,4187,4189	12,07,*20*
3740	16.6	+22 1	6.7	6.59	4138,4163,4177	*10*,20,*09*
4043	16.6	+18 57	6.8	6.77	3753,3755,4185	01,*05*,05
3215	16.7	+43 20	7.5	7.75	3780,3801	*02*,02
16059	16.7	−29 15	7.3	7.48	3829,3852	*13*,12
1926	16.8	+60 46	7.0	7.01	3775,3779	03,*03*
4945	16.8	− 4 55	7.5	*7.70*		A . .
5516	16.8	−20 49	7.0	6.89	3857,4102,4196,4523,4528,4539	*09*,00,*14*, R ,*13*,36
3109	16.9	+44 51	6.7	*7.32*		A . .
3503	16.9	+35 0	6.4	*6.37*		10, . *10*
4950	17.0	− 8 23	7.0	6.49	3783,3784,4173	00,06,*06*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4972	17.0	−11 49	7.5	8.08	3740,3802	20,*20*
13245	17.0	−40 48	4.0	3.95	3780,3807,4092,	*02*,09,*21*,
					4114,4115,4487,	11,*04*,*07*,
					4491,4507,4517	41,01,*25*
3731	17.1	+39 44	6.5	*7.02*		A . .
3873	17.1	+10 44	7.3	7.32	3755,3758	*06*,07
4186	17.2	+ 0 12	7.5	*7.78*		A . .
3725	17.2	− 0 26	5.0	*5.89*		. . A
4573	17.3	− 3 54	7.0	7.10	3783,3784	*03*,02
13453	17.3	−35 9	7.3	6.95	3095,3477,3804,	T,12,16,
					4102	*27*
2123	17.4	+54 12	6.4	*6.24*		*03*, . 03
3802	17.4	+25 25	7.0	*7.26*		A . .
857	17.5	+73 10	4.4	4.66	3465,3468,3469,	*01*,03,01,
					3472,3473,3477,	*14*,*23*,*17*,
					3485,3762,3769,	04,08,03,
					3772,3774,3776,	10,*01*,07,
					3779,3780,3781,	*03*,22,*09*,
					3801,3807,3810,	*27*,*12*,*24*,
					3814,3823,3840,	08,16,06,
					3842,3843,4101,	01,00,*03*,
					4103,4114,4115,	*06*,02,02,
					4137,4138,4158,	*13*,*05*,17,
					4162,4165,4171,	21,21,*10*,
					4177,4180,4182,	30,03,*16*,
					4183,4186,4187,	03,*15*,17,
					4192,4193,4195,	*08*,02,*08*,
					4196,4200,4201,	*04*,*08*,*02*,
					4202,4203,4206,	*19*,01,*23*,
					4208,4211,4467,	*12*,02,03,
					4472,4476,4478,	20,08,*09*,
					4486,4487,4491,	18,07,18,
					4493,4500,4504,	00,09,16,
					4506,4517,4522,	03,13,*11*,
					4529,4532,4538,	*11*,01,*07*,
					4542,4561	03,07
3808	17.6	+25 23	7.5	*7.26*		A . .
3943	17.6	+17 34	7.0	6.84	3753,3755,4185	*25*,17,09
3402	17.7	+32 29	7.5	7.44	4164,4187	*09*,10
4942	17.7	− 7 35	7.0	6.39	3783,3784,4173	06,10,*15*
5057	17.7	−10 53	7.0	7.04	3740,3802	06,*06*
3315	17.8	+42 30	6.5	7.18	3780,3801	09,*08*
3568	17.8	+29 43	7.2	*7.21*		A . .
2784	17.9	+50 9	7.1	*7.52*		A . .
4081	18.0	+ 9 43	6.5	*6.23*		*14*,22,*08*
5611	18.0	−17 23	7.0	6.92	3740,3802,4173	*07*,*06*,14
16655	18.2	−30 59	7.5	7.75	3810,3814,3826	*03*,03,00
15767	18.3	−28 3	5.9	5.92	3083,4102,4196	14,*19*,06
945	18.4	+71 9	6.8	7.06	3472,3769,4103	*08*,*03*,11
1986	18.4	+57 28	6.0	*6.18*		. . A
3740	18.6	+39 18	7.5	7.78	4164,4187	20,*21*
3896	18.6	+14 44	6.5	6.49	4185,4200	06,*06*
5436	18.6	−19 7	8.2	7.90	4523,4528,4539	R,*27*,28
3811	18.7	+26 4	5.5	*4.83*		. . A
3434	18.8	+33 19	6.2	*6.27*		. . A
4071	18.8	+ 8 5	7.5	7.50	3473,3774,3783	*14*,16,*02*
4956	18.8	− 5 42	7.4	7.56	3783,3784	03,*02*
16104	18.8	−29 30	6.1	6.09	3083,3829,3842,	12, T,16,
					4196	*28*
3576	18.9	+30 5	7.5	*7.31*		A . .
3997	18.9	+20 5	7.1	*7.05*		A . .
4072	18.9	+ 8 28	7.5	7.08	3473,3774	*10*,11
5123	18.9	− 9 32	7.8	*7.21*		A . .
1344	19.0	+64 13	6.5	6.41	3762,4103,4201	*04*,06,*02*
5388	19.1	−12 49	7.3	7.35	3740,3784	*18*,18
2400	19.2	+52 11	7.1	6.86	3775,3779,4101,	14,*07*,*13*,
					4101	05
3432	19.2	+37 23	6.7	6.66	4164,4187,4189,	03,*44*,30,
					4507,4517,4523	*06*,06,08
4074	19.2	+ 8 13	8.0	7.86	3473,3774	*02*,01
15303	19.2	−24 42	5.4	*4.90*		. *02*,02
3641	19.3	+23 47	7.5	7.40	4138,4163	19,*18*
3798	19.3	+15 49	7.0	7.42	3753,3755	01,*02*
5356	19.3	−18 45	7.2	6.96	3740,3784,4173	15,*16*,00
15306	19.3	−24 36	7.8	*7.08*		. *03*,03
4133	19.4	+ 5 22	7.4	*7.56*		A . .
15307	19.4	−24 9	5.6	*5.48*		. 01,*02*
4000	19.5	+20 4	6.5	*6.47*		A . .
1993	19.6	+57 33	7.5	6.62	3779,4201,4203	25,*07*,*19*
4964	19.7	− 5 5	6.8	6.36	4173,4174	*12*,11
5428	19.7	−14 6	6.0	5.82	3114,4173,4202	06,06,*12*
5100	19.7	−22 39	7.7	7.06	3083,3857	*14*,14
1516	19.8	+63 53	7.4	7.59	3472,3762	09,*09*
3325	19.8	+42 46	6.5	6.82	3780,4200,4506	15,*01*,*13*
3411	19.8	+33 1	6.9	6.50	4164,4187,4189	26,*12*,*13*
4055	19.8	+18 33	7.3	7.52	3753,3755	01,*01*
3839	19.8	+16 45	5.8	*6.02*		. . A
3896	19.8	+12 5	7.1	7.14	3755,3758,4181	*12*,*16*,29
2675	20.1	+46 6	7.2	7.76	3807,3842	06,*07*
1345	20.2	+65 31	5.3	*4.71*		. . A
2409	20.2	+52 51	7.5	7.84	3775,3779	18,*18*
3416	20.2	+32 32	7.5	6.82	4164,4187,4507	02,02,*04*
3584	20.2	+29 26	5.2	4.86	4163,4500,4507	*05*,16,*11*
3842	20.2	+16 46	6.7	6.86	3774,4181,4185	*04*,04,00
3833	20.2	+11 44	5.5	*5.20*		. *10*,10
3750	20.3	+39 37	7.5	*7.72*		A . .
3751	20.3	+39 28	6.3	*7.12*		A . .
2676	20.4	+47 0	7.0	7.76	3807,3840	00,*01*
3542	20.4	+30 51	7.0	7.20	4164,4187,4189	10,*10*,01
3319	20.4	+28 22	7.5	7.59	4163,4177	11,*11*

19^h

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
3379	20.4	+27	53	7.0	6.36	4163,4177,4180	01,13,*15*
4004	20.4	+19	44	7.2	*7.12*		*07*,06, .
4986	20.4	− 2	15	7.0	7.69	3114,3783	00,00
5105	20.4	−21	58	6.0	*5.52*		. *11*,11
3539	20.5	+36	15	6.7	6.45	4164,4187,4189	18,03,*20*
3879	20.5	+ 2	55	3.2	*3.42*		. 04,*03*
5348	20.5	−15	15	6.5	5.69	3114,3740,3772	17,*03*,*15*
5388	20.5	−21	26	7.5	7.63	3083,4539	*48*,48
14192	20.5	−26	31	7.5	7.52	3083,3829	09,*10*
5435	20.7	−14	45	7.2	6.47	4173,4174	14,*14*
16140	20.7	−29	56	5.8	5.61	3829,3842,4196	*02*,07,*06*
860	20.8	+73	22	7.5	6.71	3472,3762,4103	*04*,05,*02*
2994	20.8	+50	5	6.6	6.20	4101,4136	21,*22*
2823	20.8	+47	52	7.5	7.69	3807,3840	02,*02*
3229	20.8	+43	12	5.6	5.95	3830,3842,4200	*07*,03,03
2135	20.9	+54	52	7.5	*7.36*		A . .
2194	21.0	+56	1	7.0	7.34	3775,3779	10,*11*
3122	21.0	+44	43	6.7	*7.07*		A . .
2681	21.1	+46	14	7.5	7.32	3807,3830,3840,	15, R ,27,
						4101,4136,4201,	*05*,*41*,*13*,
						4517,4523,4528	22,17,*25*
4009	21.1	+20	5	6.6	6.27	4166,4181	*10*,10
4010	21.1	+19	37	5.0	*5.38*		. *06*,05
3737	21.3	+24	44	6.1	6.24	3860,4138,4163,	*08*,*07*,01,
						4180	12
4206	21.4	+ 0	9	5.0	*4.90*		08, . *09*
3827	21.6	+25	54	7.5	7.28	4163,4177	*09*,08
16162	21.6	−29	42	7.6	7.77	3083,3829	04,*04*
3550	21.8	+37	3	7.0	6.97	4164,4189,4192	07,*07*,*01*
3448	21.8	+33	59	7.4	7.20	4164,4189	*09*,09
3907	21.8	+12	49	6.0	*5.77*		. *07*,07
3840	21.8	+11	39	7.5	6.85	3758,3766,4181,	*16*,*03*,20,
						4185	01
2999	21.9	+50	2	7.5	7.02	3465,3468,3469,	10,*21*,12,
						4136,4136,4203,	*07*,*28*,11,
						4203,4206,4206,	09,13,39,
						4208,4208,4517,	11,12,*09*,
						4523,4528	*11*,*44*
4015	21.9	+19	54	6.1	*5.64*		09,04,*12*
5373	21.9	−18	33	7.3	7.26	3114,3740	*16*,17
949	22.1	+71	55	7.5	7.16	3472,3762	02,*02*
4017	22.1	+19	41	6.2	*6.04*		*09*,06,04
3338	22.2	+42	36	7.5	7.34	3780,3801,4203,	*02*,*06*,*02*,
						4203,4538,4538	*07*,22,*02*
4019	22.2	+20	3	6.6	6.66	4166,4181	*03*,04
4998	22.2	− 2	13	7.5	8.22	3783,3784,3802	05,*05*,00
13552	22.2	−36	12	7.4	7.14	3095,3109,3804	*20*,05,15
3842	22.3	+11	52	7.2	*6.85*		. . A
5376	22.3	−18	34	7.0	6.88	3114,3740,4173	12,04,*16*
R	22.3	−43	39	. .	5.71	4114,4476,4487,	*18*,27,12,
						4507	*21*
3782	22.4	+21	27	7.3	7.23	3860,4138,4500,	*15*,24,*09*,
						4507,4517,4523	*10*,04,05
112	22.5	+88	59	6.5	R	R	R
732	22.6	+76	36	7.3	7.12	3472,3762	*08*,09
3557	22.6	+36	7	5.0	5.07	4164,4507,4517	01,08,*10*
4979	22.6	− 5	1	6.8	*7.55*		A . .
5409	22.6	−12	21	7.3	7.36	3772,3802	*10*,11
1943	22.7	+60	9	7.5	*7.76*		A . .
4114	22.7	+ 4	31	6.7	6.70	4181,4185	*21*,21
1058	22.8	+70	24	7.5	*8.19*		A . .
1944	22.8	+61	0	6.8	*7.81*		A . .
3133	22.9	+44	44	6.2	6.79	3801,4101,4200	09,01,*10*
5362	22.9	−15	18	7.2	6.56	4173,4174	05,*04*
3137	23.0	+44	48	6.8	6.63	4101,4136	20,*20*
4085	23.0	+18	5	7.1	6.93	3753,3758,4181	*09*,*05*,13
4020	23.0	+14	5	6.0	*6.31*		. 03,*03*
13526	23.0	−35	17	7.5	7.63	3804,3810,3814	00,*12*,12
3623	23.2	+35	42	7.5	7.56	4164,4189	09,*10*
3767	23.3	+39	45	6.7	7.32	4164,4507	02,*03*
16750	23.3	−31	0	7.0	6.85	3477,3810,3814	06,*05*,*02*
3892	23.4	+ 2	43	7.0	*5.92*		. 07,*08*
2895	23.6	+48	39	7.3	7.66	3807,3830	15,*15*
4028	23.6	+20	2	7.4	*7.15*		A . .
3976	23.6	+17	38	6.5	6.87	3753,3755,4181	*24*,13,11
14004	23.6	−27	11	6.0	5.75	3083,4102,4196	04,03,*06*
2833	23.7	+47	46	7.0	7.18	3807,3830	24,*25*
4091	23.8	+18	43	7.3	7.40	3753,3758	*01*,01
4112	23.8	+ 8	39	7.5	7.36	3473,3774,3783	*05*,05,00
5366	23.8	−15	34	7.1	7.04	3772,3802	00,*01*
15233	23.8	−32	18	6.7	6.40	3477,3810,3814	04,*11*,08
1062	23.9	+68	49	7.3	7.14	3472,3762	*06*,06
2146	23.9	+54	41	7.3	*7.76*		A . .
4010	23.9	+ 1	45	6.3	*5.80*		. 11,*10*
1999	24.0	+57	49	6.5	6.46	3078,3775,3779	04,*01*,*03*
3913	24.0	+10	49	7.5	7.39	3758,3766	*09*,09
5417	24.0	−12	51	7.3	6.86	3772,3784,3802	*09*,00,10
3012	24.1	+49	56	7.3	*7.32*		A . .
3465	24.1	+37	44	6.4	6.36	4164,4189,4192	07,*11*,08
3566	24.1	+36	19	7.3	7.23	4164,4189	05,*05*
3463	24.1	+33	10	7.4	7.38	4164,4189	*02*,01
3352	24.2	+42	1	7.5	7.42	3780,3801	02,*03*
3760	24.2	+ 0	2	6.9	6.40	3802,3810,4181,	07,04,08,
						4185	*14*
3609	24.3	+29	14	7.0	6.76	4163,4177,4180	*03*,*04*,07
3758	24.3	+24	47	7.5	*7.26*		A . .
3923	24.3	+12	15	7.8	7.69	3758,3766	*12*,12
3925	24.4	+12	39	7.2	7.20	3758,3766,3774	10,*08*,*02*
5383	24.4	−16	11	7.5	7.52	3772,3802	04,*04*
3759	24.5	+24	28	4.2	*4.57*		. . A

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
15238	24.5	−32 54	7.5	7.12	3810,3814,3842	*14*,04,09
3761	24.8	+24 33	6.4	*5.98*		01, . *01*
3936	24.8	+14 23	6.0	*5.73*		06,*06*,01
5396	24.8	−18 32	7.5	7.28	3114,3772	02,*02*
16231	24.8	−29 42	7.3	7.58	3083,3829	08,*08*
2837	24.9	+47 19	7.3	7.64	3807,3830	16,*16*
3609	24.9	+31 52	7.5	7.81	4164,4189	00,00
3928	24.9	+12 39	9.1	7.61	3758	▲
3929	24.9	+12 12	7.5	7.67	3758,3766,3774	01,13,*14*
3762	24.9	− 0 40	7.2	7.20	3783,3784	04,*03*
15383	24.9	−24 10	7.5	7.60	3083,3842	00,*01*
2434	25.0	+52 7	6.1	*5.58*		. . ▲
4039	25.0	+20 4	7.0	6.45	4166,4181	01,*01*
5410	25.0	−21 31	6.5	6.11	3083,4102,4196	14,*04*,*10*
734	25.1	+76 22	6.5	*7.50*		. ▲ .
5337	25.1	−16 23	7.5	7.25	3114,3772	01,*01*
14115	25.1	−25 57	7.2	7.36	3842,3852	*04*,05
3777	25.2	+39 43	7.0	6.86	4164,4189	*10*,10
3904	25.2	+ 2 41	6.9	*6.38*		. ▲ .
1716	25.3	+62 21	6.6	6.46	3472,3762,4103	*17*,12,05
3590	25.4	+30 20	7.4	*7.46*		▲ . .
4612	25.4	− 3 0	5.7	5.31	3784,4182,4196	08,01,*10*
5025	25.4	−11 42	6.8	6.94	3114,3772,4173,	*03*,00,04
3618	25.5	+31 25	7.0	6.98	4164,4189,4192	*12*,19,*07*
4043	25.5	+ 3 14	7.0	*6.33*		. ▲ .
5170	25.5	− 6 43	7.0	7.28	3783,3784,3802	10,06,*15*
3712	25.6	+22 30	7.3	7.46	3860,4138	*09*,08
3873	25.8	+16 30	6.7	7.05	3753,3755,4181	*10*,*06*,16
5492	25.8	−19 37	7.0	*7.29*		▲ . .
3650	25.9	+36 5	6.5	6.56	4164,4164,4192	08,*09*, R
3987	25.9	+17 28	7.0	7.16	3753,3755	*02*,02
3940	25.9	+12 36	7.5	6.92	3755,3758,3766	*09*,03,07
15917	25.9	−28 25	7.3	7.38	3829,3842	*06*,05
2152	26.0	+54 34	7.3	7.52	3775,3807	14,*14*
3874	26.0	+16 35	7.0	7.92	3753,3766	12,*11*
4021	26.1	+ 1 48	7.1	6.81	3473,3774,4181	03,*13*,11
5024	26.1	− 2 19	7.3	6.73	3783,3784,3802	*13*,07,06
16797	26.1	−31 5	6.8	6.75	3477,3481,3810	00,03,*03*
5425	26.3	−21 44	7.3	7.07	3842,3852	02,*02*
3989	26.4	+18 2	7.4	7.38	3753,3755	07,*07*
5030	26.5	−11 29	7.3	7.34	3114,3772	*03*,02
15936	26.5	−28 12	7.4	7.04	3829,3842	10,*11*
3480	26.6	+33 31	7.0	6.64	3058,4164,4200	06,00,*05*
3631	26.7	+31 45	7.5	7.54	4164,4200	09,*10*
3410	26.7	+27 45	3.0	*3.21*		. . ▲
3411	26.7	+27 45	6.5			
14281	26.7	−26 15	7.3	7.56	3829,3842	*03*,03
17138	26.7	−30 35	6.8	6.83	3477,3481,3810	*12*,13,*01*
3603	26.8	+30 22	7.5	*7.81*		▲ . .
4177	26.8	+ 5 33	7.0	*7.16*		▲ . .
2701	27.0	+46 44	7.0	6.70	3807,3830,4101	18,*15*,*02*
3658	27.1	+36 1	6.5	6.14	4164,4507,4517	*05*,16,*11*
13760	27.1	−34 25	6.9	6.72	3477,3481,3810	01,16,*16*
2605	27.2	+51 31	4.0	*3.96*		. *06*,06
2913	27.2	+45 57	7.0	7.00	3468,3469,3472, 3807,3830,4203, 4203,4206,4206, 4208,4208,4517, 4528,4528	*15*,*28*,*55*, *04*,01,19, 34,21,25, 15,12,*14*, *08*,04
3573	27.2	+26 24	6.5	5.96	4163,4177,4180	08,*07*,*02*
4116	27.2	+ 7 16	7.2	7.01	3473,3774,4181	*07*,06,00
13356	27.3	−40 15	6.0	5.85	3740,3780,4092, 4102,4114,4115, 4476,4487,4506	01,04,*02*, 05,*04*,*06*, *02*,*03*,06
3948	27.4	+14 45	7.1	*7.39*		▲ . .
3487	27.5	+33 16	7.0	6.63	4164,4200,4201	11,*08*,*04*
4139	27.5	+ 9 7	7.0	6.93	3473,3774,4181	*03*,*07*,09
628	27.8	+79 24	6.3	6.08	3472,4103,4201	*06*,16,*10*
3632	27.8	+38 12	7.5	7.52	4164,4189	*03*,03
4175	27.8	+20 44	7.0	6.80	3860,4138,4163, 4177	01,19,*19*, *03*
552	27.9	+83 16	6.0	*6.36*		*07*, . 07
2707	28.0	+46 9	7.2	6.87	3807,3830,4101	16,*04*,*13*
3372	28.0	+42 46	6.8	7.20	3780,3801	00,*01*
3864	28.0	+25 23	6.6	6.89	4138,4163	08,*08*
1959	28.1	+60 28	7.0	*7.51*		▲ . .
2211	28.1	+55 13	6.3	6.66	3857,3859	*24*,23
3590	28.1	+34 14	4.6	*4.90*		. . ▲
2250	28.2	+56 26	6.9	6.78	3775,3779,3807	16,*12*,*05*
4152	28.2	+ 4 49	7.2	6.84	4181,4185	00,00
2905	28.3	+48 22	7.0	7.23	3840,3858,3859	*04*,*05*,08
2213	28.4	+55 56	6.3	6.58	3857,4101	12,*12*
2854	28.4	+47 17	6.7	7.18	3807,3830	*25*,26
4127	28.4	+ 7 34	7.7	7.56	3473,3774	*12*,12
5359	28.5	−16 31	7.5	7.58	3114,3772	*02*,01
5360	28.5	−16 36	7.2	*7.50*		. ▲ .
15421	28.5	−24 5	6.9	6.67	3842,3852,4102	*04*,12,*09*
1156	28.6	+67 26	7.5	7.70	3769,4462	14,*13*
4065	28.6	+ 3 34	7.4	6.78	3774,4181,4203	09,01,*10*
863	28.7	+73 9	7.5	7.65	3472,3769	00,00
3034	28.7	+50 6	6.0	5.59	3775,3807,4136, 4201,4523	14,*24*,*41*, *07*,09
16845	28.7	−31 50	7.5	7.34	3810,3814,3857, 4102,4157,4165	*33*,*08*,32, *11*,01,16
666	28.8	+81 36	7.5	*8.00*		▲ . .
4190	28.8	+ 5 15	6.9	6.80	4181,4185	05,*04*
5399	28.8	−13 8	7.3	7.50	3114,3772	*02*,03
4129	28.9	+ 7 37	8.1	7.82	3473,3774	00,01
4130	29.0	+ 7 43	7.5	7.30	3473,3774	*11*,12
3622	29.1	+31 2	6.9	6.82	4164,4201	03,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
3822	29.1	+21 38	6.8	6.88	3860,4138,4163	*14*,11,04
895	29.2	+72 17	7.5	7.69	3472,3769	*01*,01
2215	29.2	+55 31	6.3	6.48	3859,4101	06,*07*
4132	29.2	+ 7 10	4.8	4.68	3473,3774,4200	14,*16*,02
2169	29.3	+55 3	6.6	6.92	3857,3859,4101	*02*,06,*03*
13265	29.3	−37 2	7.9	7.29	3109,3804,3810	01,21,*22*
4133	29.4	+ 7 35	7.0	6.92	3473,3774,4181	*11*,02,10
1929	29.5	+58 24	6.4	6.70	3775,3779,4101	21,00,*21*
5122	29.6	−10 47	5.3	5.20	3772,3802,4196	04,*16*,13
15560	29.6	−28 32	8.0	7.86	3857,3860	04,*05*
3474	29.7	+32 59	7.0	6.61	4164,4200,4201	*16*,27,*12*
3866	29.7	+16 3	7.0	6.81	3753,3755,4185	*11*,12,00
5444	29.7	−21 0	6.8	6.73	3842,3860,4102	01,*08*,06
3875	29.9	+25 51	6.5	6.88	4138,4163	07,*06*
3876	29.9	+25 36	7.0	*7.56*		A . .
3967	29.9	+10 44	7.1	7.00	3473,3755,4185	*11*,*08*,18
15442	29.9	−24 56	6.0	5.77	3488,4102,4200	*07*,13,*05*
1533	30.0	+63 6	7.5	7.40	3472,3775	*09*,10
3868	30.0	+15 16	7.5	*8.39*		A . .
4998	30.0	− 7 41	7.0	6.40	3783,3784,3804, 4182,4183,4196	*23*, R ,07, 06,13,*02*
5461	30.0	−12 28	6.3	6.30	3772,3802,4174	*06*,*03*,10
3877	30.1	+25 8	7.3	*7.21*		A . .
4009	30.1	+17 56	7.0	7.20	3473,3753	*20*,19
15339	30.1	−32 55	6.8	6.78	3108,3481,3810, 4102,4157,4165, 4542,4544,4545	08,33,*38*, 27,*19*,*19*, *18*,07,17
1963	30.2	+60 39	7.3	8.32	3775,3807	16,*17*
2920	30.2	+45 50	7.2	7.40	3807,4101	*13*,13
3650	30.2	+38 34	6.6	6.48	4091,4164,4177	07,*14*,07
4063	30.2	+19 33	5.8	*4.77*		. . A
3902	30.2	+16 26	7.3	7.29	3473,3753	*03*,03
15995	30.2	−28 54	7.4	7.66	3829,3842	02,*03*
3818	30.3	+39 31	7.3	7.61	4091,4114,4164	09,05,*14*
3932	30.4	+ 2 42	7.2	*6.49*		. A .
1534	30.5	+64 5	7.5	7.87	3472,3775	*06*,06
5052	30.5	− 2 40	9.0	8.83	3802,4182,4183, 4200,4200	*14*,*05*,08, *03*,12
3282	30.6	+43 18	7.5	8.01	3780,3807	*06*,06
5054	30.6	− 2 41	7.7	6.88	3107,3783,4182, 4183,4196,4478	09,03,*07*, *05*,05,*07*
5521	30.6	−19 5	5.8	6.09	3114,4182,4196	01,15,*17*
14184	30.6	−25 6	4.7	4.75	3488,4102,4200	22,*03*,*20*
4137	30.7	+18 48	7.0	6.89	3473,3753,4166	*03*,02,00
3836	30.8	+21 57	7.4	7.14	3860,4114	07,*07*
3872	30.8	+15 24	6.0	6.57	3753,3755,4200	*10*,15,*05*
3651	30.9	+29 14	5.8	*5.42*		. 14,*14*
3594	30.9	+27 0	6.9	6.72	4115,4138,4163	02,*12*,10
3789	30.9	+ 0 2	7.2	*7.13*		A . .
2914	31.0	+49 2	6.5	*6.28*		. . A

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
3397	31.0	+41 13	7.4	7.08	3780,3801	*01*,01
3398	31.0	+41 42	7.0	6.54	3780,3801,4101	25,*01*,*24*
956	31.2	+72 3	7.5	7.80	3472,3769	*10*,09
3507	31.2	+33 35	7.5	6.73	4164,4177,4507	*21*,20,02
5432	31.2	−18 28	5.4	*5.84*		. . A
4209	31.3	+ 5 48	7.0	6.71	3473,3774,4166	08,10,*17*
3386	31.4	+42 11	5.8	5.30	3780,4101,4200	12,*14*,01
3838	31.4	+21 55	7.5	7.78	3860,4114	09,*09*
3981	31.4	+10 55	6.8	6.47	3755,4166,4185	19,*20*,02
5131	31.4	−10 23	7.2	7.06	4182,4183	13,*13*
5415	31.4	−13 24	7.0	6.99	3772,3802,3804	*23*,17,06
2058	31.5	+59 11	7.4	7.64	3775,3779	22,*21*
3290	31.5	+43 43	6.8	6.58	3780,3801,4101	04,*10*,05
3970	31.5	+14 18	7.7	7.50	3473,3753	09,*09*
3906	31.5	+11 57	7.0	6.83	3473,3766,4166	*02*,13,*10*
4855	31.5	− 4 30	7.5	*8.35*		A . .
5006	31.5	− 7 15	5.0	5.12	4163,4163,4163, 4163	*07*,*05*,01, 09
5475	31.5	−14 39	7.5	*7.12*		A . .
14358	31.5	−33 8	7.0	6.73	3481,3810,3814	*10*,*21*,31
3782	31.6	− 1 31	4.2	*4.28*		. . A
2060	31.7	+59 57	6.2	6.47	3857,4200,4201	01,01,*02*
2727	31.7	+46 15	7.3	7.48	3807,3840	*13*,13
3620	31.7	+34 28	7.0	6.98	4164,4177,4180, 4189	*13*,03,18, *06*
3889	31.7	+25 36	7.5	*7.46*		A . .
4075	31.7	+19 49	9.0	9.30	4544,4544	07,*08*
3974	31.7	+14 10	6.5	6.40	4166,4185	06,*06*
1073	31.8	+70 47	6.3	6.20	3472,4200,4201	03,*14*,12
2261	31.8	+56 15	6.7	7.08	3775,3779	09,*09*
2815	31.8	+51 1	6.0	*5.73*		. . A
3741	31.8	+22 22	6.5	6.12	3860,4114,4115	16,*11*,*06*
3877	31.8	+15 40	6.7	*7.24*		A . .
2870	31.9	+47 57	6.5	6.89	3807,3840,3857	*14*,21,*08*
5479	31.9	−14 31	5.6	*5.52*		11, . *12*
5023	32.0	− 5 22	7.5	*8.50*		A . .
13830	32.0	−34 46	7.3	7.05	3108,3810,3814	*01*,*08*,10
3984	32.1	+11 3	6.1	*6.22*		11, . *11*
3619	32.2	+36 43	6.0	*5.75*		. . A
5480	32.2	−14 11	7.3	6.94	3107,3114,4182	*10*,04,05
5137	32.3	−10 12	7.2	*7.21*		A . .
3801	32.4	− 0 22	7.2	*7.43*		A . .
5026	32.4	− 5 17	7.3	*7.50*		A . .
2463	32.5	+52 17	6.3	6.63	3779,4200,4201	05,09,*14*
3625	32.5	+35 0	7.1	6.93	4091,4164	10,*10*
4861	32.5	− 4 52	5.0	*5.48*		04, . *05*
1053	32.6	+69 29	5.0	4.81	3465,3468,3469, 3472,3477,3485, 3488,3494,3501, 3769,3774,3776,	11,*26*,*19*, *09*,05,02, *03*,12,*08*, 18,09,23,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3779,3781,3783,	*03*,*11*,00,
					3801,3826,3830,	20,*03*,11,
					3833,3840,3843,	00,*18*,*07*,
					3852,3855,3857,	25,*01*,*04*,
					3858,4097,4102,	20,04,11,
					4136,4137,4157,	*19*,13,*05*,
					4158,4166,4171,	06,*13*,*27*,
					4174,4177,4180,	*11*,10,08,
					4181,4183,4185,	*01*,*07*,*11*,
					4187,4189,4192	*07*,*11*,*07*,
					4195,4196,4200,	05,*12*,*05*,
					4201,4206,4208,	03,10,11,
					4211,4467,4476,	10,*16*,06,
					4477,4478,4486,	*09*,09,*02*,
					4487,4491,4493,	*28*,*03*,10,
					4500,4504,4506,	*05*,*08*,08,
					4506,4517,4528,	12,*16*,01,
					4529,4532,4538,	11,*12*,08,
					4542,4546,4561	*21*,32,*06*
1730	32.6	+62 23	7.5	7.72	3472,3775	*14*,13
2873	32.6	+47 14	7.3	7.60	3807,3840	*02*,02
16029	32.7	−28 50	6.4	6.56	3829,3842,4102	14,*17*,03
3849	32.8	+21 46	6.8	6.80	3860,4114,4115,	*11*,*12*,*01*,
					4163,4177	13,11
3918	32.8	+16 14	5.2	*5.70*		. . A
4162	33.0	+18 45	6.7	6.81	3753,3766,4166	*02*,17,*15*
13371	33.1	−39 40	6.8	6.37	3108,3109,4157	*03*,02,00
2269	33.2	+58 20	7.0	7.24	3775,4101	12,*11*
3059	33.2	+50 1	7.0	6.50	4101,4528,4539,	*28*,24,00,
					4542	02
3670	33.2	+29 7	6.8	6.25	4115,4138	02,*02*
3412	33.2	+28 17	7.1	6.67	4115,4138,4500	*07*,15,*07*
15880	33.2	−32 42	7.5	7.73	3810,3814,3857	*27*,17,09
3303	33.3	+43 30	6.9	6.78	3780,3801,4101	23,*10*,*14*
3615	33.3	+26 8	7.5	7.44	4115,4138	*06*,07
4265	33.3	+ 0 7	7.0	*7.38*		A . .
5140	33.3	−10 23	7.1	6.69	4182,4183	20,*20*
1369	33.4	+65 19	7.5	*7.85*		A . .
2929	33.5	+45 35	7.0	*7.37*		A . .
3677	33.5	+38 10	6.5	6.38	4091,4164,4507	14,*32*,19
3672	33.5	+29 23	7.5	7.26	4115,4138	*07*,08
4168	33.5	+18 22	7.0	6.91	3753,3766,4166,	R,22,*15*,
					4185,4186	*07*,01
5699	33.5	−17 8	6.8	6.56	3107,3114,4182	02,*13*,10
3185	33.6	+44 29	5.3	*5.07*		. . A
3925	33.6	+17 2	6.9	6.72	3753,3766,4166	06,04,*09*
1539	33.8	+63 12	6.3	6.64	3472,3775,4103	11,02,*12*
3062	33.8	+49 59	4.9	4.48	4517,4528,4542,	*02*,*15*,*02*,
					4544	19
2918	33.8	+48 17	6.8	7.34	3807,3840	*08*,08
	m.	° ′				
3680	33.8	+38 22	6.8	6.84	4091,4164,4507	10,10,*21*
15618	33.8	−23 40	6.2	6.31	3488,4157,4200	12,*28*,15
1734	33.9	+62 27	7.5	7.71	3472,3775	*04*,06
2272	33.9	+56 46	6.5	6.74	3775,3779,4101	14,05,*18*
3900	33.9	+25 47	7.5	7.72	4115,4138	02,*02*
3928	33.9	+17 2	7.5	7.42	3753,3766	*11*,10
4097	33.9	+ 3 9	7.0	*6.37*		. A .
3637	34.0	+34 47	6.5	6.74	4164,4177	*08*,08
4210	34.0	+20 34	6.7	6.39	4114,4115	*05*,05
5183	34.0	−22 17	7.8	7.24	3855,4157	05,*05*
15625	34.1	−23 40	6.2	6.18	3852,4157,4200,	12,*29*,38,
					4542,4544,4545	*12*,*04*,*06*
5420	34.2	−15 24	6.8	6.80	4182,4183	*10*,11
734	34.3	+78 3	7.0	7.06	3472,3775	00,01
4225	34.3	+ 5 10	5.0	*5.23*		08,15,*22*
3640	34.4	+35 2	6.6	*6.59*		A . .
3694	34.4	+31 32	7.5	7.90	3866,4164	17,*18*
3752	34.4	+22 49	7.5	7.01	4114,4115,4500	*07*,*11*,18
5498	34.4	−14 17	7.3	7.02	3114,3772	*04*,05
5062	34.7	− 8 12	7.3	7.60	3107,3783	11,*12*
3506	34.8	+32 11	7.5	7.28	3866,4164	00,01
3936	34.9	+16 21	6.9	6.58	3753,3766,4166	11,13,*25*
5036	35.0	− 5 41	6.8	6.89	4182,4183	04,*04*
5399	35.0	−16 31	5.5	5.50	3114,4182,4183,	*14*,17,*07*,
					4202	03
2922	35.1	+49 2	6.6	*6.50*		. 04,*03*
3862	35.1	+22 2	7.5	7.22	4114,4115	*05*,04
3863	35.1	+21 7	7.5	7.45	4114,4115	*10*,10
4182	35.1	+18 56	7.5	7.70	3753,3766	*10*,11
4175	35.1	+ 7 19	7.3	7.16	3473,3774	*17*,16
15637	35.1	−23 58	8.6	8.15	3852,3860	23,*23*
13308	35.2	−37 8	7.4	7.05	3108,3109,3477,	11,15,*14*,
					3804,3810	00,*13*
2187	35.3	+54 44	7.5	*7.56*		A . .
964	35.4	+71 23	6.7	6.71	3472,3775,4103	*08*,02,05
5028	35.4	− 7 45	7.0	6.86	3107,3802,4182	*15*,01,15
3684	35.5	+29 56	5.3	*4.74*		. *05*,04
4877	35.5	− 4 16	7.5	7.88	3107,3802	*04*,03
3677	35.6	+30 11	7.3	*7.11*		A . .
4042	35.6	+17 47	4.3	4.54	3753,4166,4185	*01*,*14*,15
3813	35.6	− 0 52	5.8	5.55	3107,4182,4202	*18*,22,*05*
13664	35.6	−36 52	6.9	6.84	3108,3109,3477,	14,*12*,*17*,
					3481	14
3824	35.7	+40 24	7.5	*7.47*		A . .
3832	35.7	+24 18	7.3	7.05	4114,4115,4500	*01*,*09*,11
3947	35.8	+16 6	7.3	7.33	3766,3774	01,*01*
3547	36.0	+33 44	6.5	6.05	3465,4115,4201	07,*10*,02
5081	36.0	− 2 33	8.0	7.12	3107,3802	05,*05*
3632	36.1	+26 46	7.0	7.20	4115,4138,4163,	*27*,34,12,
					4500,4507,4517	*14*,*06*,01

$\mathbf{19^h}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3731	36.1	+23 15	7.4	6.92	4114,4115	*04*,04
4218	36.1	+20 15	6.7	6.38	4114,4115	*14*,15
3200	36.2	+44 12	6.9	6.96	3857 4101	17,*18*
3413	36.2	+42 35	6.0	*5.44*		. 06,*07*
14267	36.3	−25 6	6.8	6.66	3855,4157,4165,4173	10,*03*,*12*,03
13317	36.3	−37 41	7.5	7.31	3108,3109,3477,3481	18,*08*,*14*,03
2193	36.4	+54 44	5.8	*6.00*		. . A
3733	36.4	+23 29	6.2	*6.41*		. . A
13674	36.4	−36 13	7.5	7.54	3109,3477,3810	*05*,17,*12*
4098	36.5	+13 35	5.8	5.81	3766,4166,4202	14,*04*,*10*
4027	36.5	+12 56	7.0	*7.24*		. A .
2940	36.6	+45 43	6.3	6.32	3857,4101	03,*02*
4048	36.6	+17 15	4.2	*4.48*		. 03,*04*
5209	36.6	− 9 26	6.6	6.65	4182,4183	08,*08*
3717	36.8	+31 11	7.1	7.11	3866,4164	14,*14*
5413	36.8	−16 22	5.0	5.22	3114,4182,4183,4202	*06*,20,*04*,*08*
3767	36.9	+22 13	6.7	6.44	3860,4114,4115	11,00,*12*
14420	36.9	−33 53	7.5	7.46	3477,3810,3814	11,*06*,*04*
13322	37.0	−37 47	6.1	6.06	3107,3108,3109,3477,3481,3485,3740,3769,3780,3810,4092,4114,4115,4166,4476,4478,4486,4491,4506	43,23,*13*,*04*,01,*05*,*04*,*02*,*10*,*22*,*18*,38,05,13,*09*,*07*,*01*,*08*,*12*
831	37.2	+74 7	6.7	*7.13*		A . .
3692	37.4	+30 29	7.5	*7.16*		A . .
3208	37.5	+44 33	7.0	*7.38*		. . A
3419	37.5	+42 50	6.7	(.39	3780,3801,4101	27,00,*28*
3954	37.5	+11 58	6.9	*6.26*		. A .
2949	37.7	+45 17	5.5	*5.03*		. . A
5078	37.7	− 8 33	7.2	6.96	3107,3802,4182	05,*09*,05
5079	37.7	− 8 34	8.0	7.30	3107,3802	01,*02*
3526	37.8	+32 50	7.0	6.94	3866,4164,4177	06,*04*,*02*
3697	37.8	+30 34	6.5	6.92	4164,4177	05,*05*
3471	37.8	+27 9	7.1	6.74	4115,4138,4500	*09*,*01*,11
5444	37.8	−15 42	6.0	*5.52*		00, . *01*
2240	37.9	+55 39	7.2	7.43	3775,3779	09,*09*
4204	37.9	+18 14	7.0	6.78	3753,3766,3774	*11*,08,03
3955	37.9	+11 35	5.7	5.32	3774,4185,4202	09,*13*,05
3451	38.0	+41 54	7.5	7.80	3780,3801	04,*05*
4190	38.0	+ 8 8	7.0	6.83	3473,3774,4181	22,*17*,*04*
2241	38.1	+55 32	7.0	*7.36*		A . .
2092	38.2	+59 36	7.0	*7.71*		A . .
3876	38.2	+39 47	6.9	6.78	3867,4091	*03*,04
3754	38.2	+35 59	7.3	*7.50*		. A .
1381	38.4	+65 10	7.5	*8.60*		A . .
2755	38.5	+47 4	7.5	7.44	3807,3858	02,*02*
3878	38.5	+40 1	6.2	6.23	3867,4164,4201	*04*,07,*03*
3776	38.5	+22 37	7.2	6.58	3860,4114,4115	*02*,01,00
15691	38.6	−23 6	7.5	7.40	3852,3855	*01*,00
1991	38.7	+60 16	6.5	5.96	4101,4136	16,*15*
15692	38.7	−23 31	7.7	7.48	3852,3855	07,*07*
15437	38.7	−32 2	7.2	7.67	3477,3810,3855,4157,4165,4173	*18*,*41*,31,19,04,07
3447	38.8	+29 5	7.2	6.44	3864,4115,4138	*13*,*11*,24
3531	38.9	+32 11	6.0	*5.91*		. 06,*06*
3484	38.9	+27 10	7.5	7.45	3864,4115	09,*09*
3849	38.9	+24 22	7.1	6.76	4114,4115,4500	*20*,02,19
2847	39.1	+50 18	6.3	5.94	3775,4201,4517,4523,4528	17,*07*,*20*,03,09
3784	39.1	+22 15	7.0	6.53	3860,4114,4115	27,*21*,*07*
17024	39.1	−31 9	6.8	6.65	3810,3814,3852	*27*,13,13
1077	39.2	+68 26	7.5	6.90	3472,3775,4103	07,*05*,*02*
2848	39.2	+50 17	6.2	6.21	4200,4523,4528	00,10,*11*
3706	39.3	+30 26	6.2	*6.06*		*10*,13,*03*
3710	39.3	+30 0	7.3	*7.12*		*01*, . 00
4233	39.3	+ 9 17	7.0	6.63	3473,3774,4181	*01*,*07*,08
1747	39.4	+62 25	7.5	7.30	3472,3775	*19*,18
5172	39.4	−10 48	7.0	6.88	3772,3802,4182	*06*,*04*,09
3856	39.5	+40 29	6.7	6.76	3867,4164	*08*,08
3933	39.6	+25 32	5.8	5.48	4115,4500,4507	00,00,01
4210	39.6	+ 4 44	7.5	*7.70*		A . .
5462	39.6	−12 58	7.2	7.32	3772,3802	04,*04*
15443	39.6	−32 8	6.3	5.52	3107,3108,3117,3477,3481,3485,3740,3769,3780,3810,3814,3855,4092,4114,4115,4157,4165,4166,4173,4476,4478,4486,4491,4493,4506,4538	R,08,*17*,*05*,08,09,*08*,11,04,R,*09*,22,*10*,*09*,*20*,*10*,17,04,*01*,*13*,04,01,*07*,*01*,17,*03*
3885	39.7	+39 45	6.8	7.06	4091,4164	13,*12*
3725	39.7	+38 26	6.7	6.65	3867,4091,4164	01,*10*,08
2760	39.8	+46 58	7.0	7.27	3807,3858	*12*,12
3654	39.8	+26 54	6.8	6.56	3864,4115,4138	*02*,*13*,14
2245	39.9	+55 13	6.8	6.52	3465,3468,3469,3472,3857,4101,4136,4206,4206,4208,4208,4211,4211,4517,4523,4528	12,01,03,00, R,04,*47*,*03*,*21*,*12*,*20*,10,*11*,35,32,19
4032	39.9	+10 40	7.0	7.25	3766,3774,4186	14,01,*15*
4200	39.9	+ 8 29	7.0	6.52	3473,3766,4181	*08*,*06*,14
4696	39.9	− 3 16	7.7	7.38	3107,3802	*01*,02
638	40.0	+79 56	7.5	*8.26*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4059	40.0	+13 3	6.0	*6.15*		. 05,*05*
4061	40.0	+13 1	8.6	8.70	3774,4185	*25*,26
4060	40.0	+12 59	7.4	7.07	3766,3774,4185	*09*,*06*,14
3572	40.1	+33 55	6.7	5.86	4174,4507,4517	01,*04*,03
4216	40.1	+18 20	7.0	7.03	3753,3766	*12*,12
5056	40.1	− 7 16	7.2	7.56	3107,3802	08,*08*
4036	40.2	+10 32	8.0	7.36	3766,3774	01,*02*
15446	40.2	−32 10	7.5	7.59	3108,3477,3485	*09*,00,10
3582	40.3	+38 5	7.5	6.97	4164,4174,4507	*07*,*01*,09
14325	40.3	−25 7	7.6	7.70	3814,3829,3829	00,02,*02*
3469	40.4	+41 32	6.0	*6.00*		. . A
3821	40.5	− 0 56	7.9	7.34	3802,3804	*08*,08
5698	40.5	−20 0	5.0	*5.10*		*12*, . 11
4701	40.6	− 3 7	6.7	6.50	3107,3802,4182	*23*,*02*,25
5510	40.6	−21 46	7.3	7.44	3814,3852,3855	05,*09*,04
2497	40.7	+52 19	7.1	7.72	3775,3779	12,*11*
3586	40.7	+37 7	5.4	*5.00*		. . A
4210	40.8	+ 7 22	6.0	*5.68*		. 10,*11*
14504	40.8	−26 44	7.5	7.69	3814,3829	04,*04*
3691	40.9	+34 10	7.0	6.65	3465,3468,3472,3473,4206,4206,4208,4208,4211,4211,4517,4517,4538,4538,4542,4542,4544,4544,4545,4545	*08*,*18*,04,*14*,04,11,*11*,09,08,*09*,24,04,12,07,06,*08*,*11*,*02*,03,*02*
4138	40.9	+ 4 0	7.3	7.04	3473,3766,4181	*13*,01,11
13696	40.9	−35 25	7.5	7.58	3810,3814,3855	*17*,09,08
3092	41.2	+49 32	7.5	*7.64*		. 03,*04*
3760	41.2	+23 41	7.2	7.01	3860,4114,4138	*06*,*10*,17
2057	41.3	+57 46	6.2	6.31	3775,3779,3857	17,09,*27*
2501	41.3	+52 22	7.4	7.67	3775,3779	06,*06*
3866	41.4	+40 28	6.3	6.50	3867,4174	*05*,04
3752	41.4	+31 10	7.3	7.35	3866,4174	07,*07*
5746	41.4	−17 19	7.0	7.06	3114,3772	07,*06*
4043	41.5	+10 22	3.0	*2.84*		. . A
5596	41.5	−19 0	7.5	7.50	3114,3772	10,*09*
2291	41.6	+56 47	6.3	6.39	3858,3859,4136	*05*,15,*11*
16165	41.6	−28 44	7.0	6.85	3814,3829,4157	16,*08*,*07*
16528	41.7	−29 24	7.3	7.46	3829,4157	22,*23*
3234	41.9	+44 53	3.0	2.95	3801,3807,4200	00,*11*,10
5748	41.9	−17 18	7.5	7.26	3114,3772	07,*08*
3786	42.0	+35 51	7.0	6.00	4174,4177,4180	*01*,*15*,17
3701	42.1	+34 46	6.6	6.14	4174,4177	02,*03*
5522	42.1	−21 12	6.8	6.75	3814,3852,4157	06,02,*08*
3765	42.4	+31 52	7.2	*7.28*		. 02,*03*
5555	42.4	−13 57	6.4	*6.08*		*06*, . 05
3905	42.5	+39 38	7.3	*7.12*		A . .
3877	42.5	+24 53	6.5	6.48	4114,4138	*22*,23
4314	42.5	+ 0 51	7.0	6.88	3766,3774,4181	01,*04*,04

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3587	42.6	+33 30	5.4	*5.02*		. *05*,05
3558	42.7	+32 38	6.5	*6.18*		. 02,*03*
2257	42.8	+55 35	7.5	*7.81*		A . .
4295	42.8	+ 5 32	6.8	6.90	4181,4185	01,00
2778	42.9	+46 15	7.2	7.11	3807,3858	12,*12*
3909	42.9	+21 31	7.0	7.01	3860,4114	08,*08*
4240	42.9	+18 17	4.0	*3.85*		. . A
13701	42.9	−38 1	7.1	7.15	3109,3477,3481,4157,4165,4173	*34*,25,03,05,*02*,03
16546	43.0	−29 2	6.2	6.10	3814,3829,4157	06,*01*,*06*
2971	43.2	+45 29	7.2	*7.52*		A . .
3944	43.2	+15 39	7.5	7.40	3766,3774	*05*,04
5541	43.3	−12 34	6.5	6.66	3772,3802,3804	08,*03*,*04*
3359	43.4	+44 5	7.5	7.03	3780,3801	05,*05*
5124	43.4	− 2 5	7.5	7.36	3802,3804	*16*,15
4154	43.5	+13 12	6.8	6.94	3766,3774,4185	01,04,*06*
3972	43.6	+25 8	6.2	*6.04*		07, . *07*
5131	43.6	−11 7	6.1	*6.19*		. . A
4058	43.7	+10 26	7.0	6.44	4185,4186	*06*,05
3101	43.8	+49 46	6.5	6.67	3857,4136,4200	*03*,*15*,18
3758	43.9	+38 9	6.1	*5.67*		. . A
3516	43.9	+27 36	7.2	6.75	3864,4138,4507,4523,4528	34,*30*,07,06,*18*
3517	44.0	+27 26	7.5	7.34	3864,4138	11,*12*
3994	44.0	+11 34	5.8	5.74	3766,3774,4202	06,*04*,*02*
2223	44.1	+54 10	6.5	6.61	3857,4136	11,*11*
3779	44.1	+31 15	6.5	6.65	3866,4174,4177	11,*13*,03
3996	44.1	+11 26	6.8	6.57	3766,3774,4185	*19*,08,11
3889	44.2	+24 45	7.3	*7.46*		A . .
5143	44.2	−11 40	7.2	7.02	3772,3802,4182	*12*,06,07
14309	44.2	−26 58	7.4	7.42	3814,3829	*06*,06
4252	44.3	+18 37	7.5	7.05	3753,3766	04,*04*
1079	44.4	+69 6	6.2	5.93	3472,3762,4201	00,07,*08*
3892	44.4	+24 43	7.5	*7.41*		A . .
4254	44.5	+18 53	5.0	4.99	3753,4185,4202	*08*,23,*16*
2916	44.6	+47 39	5.8	*6.27*		. . A
3616	44.6	+37 29	7.5	7.51	4174,4177,4507,4523,4528	04,04,*02*,08,*13*
13387	44.6	−37 9	8.0	7.86	3109,3477,3481	*16*,19,*02*
5195	44.7	−10 15	7.0	7.03	4182,4183	*04*,04
5478	44.7	−15 11	7.8	7.96	3114,4182	*10*,11
5565	44.8	−14 11	7.3	7.20	3114,3772,3802	08,*03*,*06*
1561	44.9	+63 16	7.5	8.04	3472,3762	*04*,03
3727	45.0	+35 4	7.0	6.42	4174,4177	21,*22*
3602	45.0	+33 12	6.9	*6.35*		. 15,*15*
3523	45.0	+27 29	7.0	7.06	3864,4138,4163	*13*,20,*08*
14317	45.0	−27 43	7.5	7.20	3814,3829	03,*02*
13514	45.0	−40 7	5.6	5.22	3740,3769,3779,4092,4101,4102,4115,4166,4476	22,01,01,*09*,*03*,*02*,*04*,05,*12*

19^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
13391	45.2	−37 35	6.9	6.60	3109,3117,3477,3481	*05*,10,*14*,09
3923	45.3	+39 41	7.2	6.96	4174,4177	*02*,03
5149	45.3	−11 1	5.9	*5.57*		. . A
2303	45.4	+56 52	7.5	7.53	3779,3858	*04*,04
2304	45.4	+56 40	7.0	7.12	3779,3858	*05*,06
4252	45.5	+ 7 39	7.0	6.39	3766,3774,4181	*01*,*17*,18
5075	45.5	− 4 56	6.5	6.64	4183,4186	12,*12*
14330	45.5	−27 20	7.8	7.56	3814,3829	*07*,06
4115	45.7	+17 28	7.2	6.83	3753,3766,4185	*03*,04,00
16228	45.7	−28 48	7.5	7.73	3814,3829	*08*,08
1200	45.8	+67 14	7.4	8.16	3472,3762	*21*,20
3261	45.8	+44 7	7.5	6.82	3780,3801,4136	27,*04*,*24*
3678	45.8	+26 50	7.0	6.52	3864,4138,4163	*17*,13,05
4331	45.8	+ 0 36	7.3	*7.78*		A . .
16230	45.8	−28 45	7.5	8.06	3814,3829	01,00
3772	45.9	+38 28	6.8	6.21	3867,4174,4177	06,00,*07*
3493	45.9	+28 12	6.8	6.29	3864,4138,4163	*07*,20,*12*
4236	45.9	+ 8 36	1.2	*0.84*		. 11,*10*
5133	46.0	− 2 43	6.7	*6.39*		. . A
5558	46.0	−12 52	7.0	7.50	3114,3772	08,*09*
5484	46.0	−15 2	7.0	6.92	4182,4183	*03*,02
4073	46.2	+10 10	5.5	5.26	3473,4185,4186	*07*,08,*01*
5156	46.2	−11 12	7.5	7.16	3772,3802	01,00
5499	46.2	−13 17	6.3	7.02	3772,3802	00,01
3941	46.3	+21 52	7.3	7.24	3860,4114	*05*,06
4175	46.4	+19 58	7.5	6.61	4185,4186	10,*10*
4029	46.4	+16 37	7.3	7.01	3753,3766,4185	*17*,09,07
4172	46.4	+ 3 51	6.8	6.60	3473,3774,4181	*11*,*10*,21
5631	46.4	−19 18	6.5	6.03	4183,4186,4478,4487,4491	*02*,25,00,*13*,*10*
15540	46.4	−32 14	7.0	6.90	3117,3117,3810,3814	*07*,03,*03*,05
2121	46.5	+59 10	6.5	6.60	3857,4136,4517,4523,4528	02, R,10,00,*13*
2306	46.5	+56 15	7.2	7.46	3779,3858	10,*10*
4177	46.5	+19 47	7.5	*7.25*		A . .
4288	46.5	+ 9 23	7.1	6.29	3473,3774,4181	*13*,*06*,19
1082	46.6	+68 11	6.4	6.35	3762,3769,4103	19,*11*,*08*
2308	46.6	+53 31	7.1	6.85	3858,3859,4136,4136,4517,4523,4528	07,*11*, R,*27*,00,19,10
5203	46.6	−10 36	7.3	7.14	3802,3804	07,*06*
5159	46.6	−11 9	7.0	6.93	3772,3802,4183	09,*07*,*03*
1564	46.7	+63 37	7.5	7.83	3472,3762	09,*09*
1912	46.7	+61 10	7.4	7.18	3472,3762	*06*,06
3826	46.7	+35 51	7.5	7.06	4174,4177	11,*10*
3907	46.7	+24 23	7.3	7.04	3860,4114	00,01
3833	46.8	+22 21	5.7	4.86	4114,4138,4507	*10*,11,*01*
15811	46.9	−23 24	8.0	7.70	3852,3857	02,*03*
3780	47.0	+38 27	5.5	5.43	3867,4174,4177	11,*13*,01
3902	47.2	+40 20	5.5	*5.70*		. . A
3636	47.2	+37 35	7.0	6.36	3867,3867,4174,4177	00,05,*01*,*06*
4267	47.3	+ 7 12	7.5	7.17	3473,3774,3783	*05*,*01*,07
4019	47.4	+11 23	6.5	6.18	3774,3783,4185	14,*07*,*07*
4001	47.5	+25 58	7.4	7.34	3864,4138	*19*,20
5578	47.5	−14 51	6.8	6.40	4183,4186	12,*13*
13758	47.5	−36 14	7.5	7.82	3109,3117,3477,3481	*06*,*02*,00,09
4074	47.6	+15 5	7.3	*7.69*		A . .
4295	47.6	+10 6	7.1	6.40	4185,4186	*02*,02
3779	47.8	+30 53	6.8	*6.94*		A . .
3914	47.8	+24 44	5.7	5.67	3860,4138,4201	*09*,26,*18*
4276	47.9	+18 25	6.6	*6.29*		. A .
5096	47.9	− 5 47	7.0	7.38	3802,3804	*12*,11
911	48.0	+72 13	7.0	7.43	3762,3769	*04*,04
14366	48.0	−26 57	7.5	7.66	3814,3829	*03*,03
3814	48.1	+31 27	7.5	7.75	3866,4174	13,*13*
4742	48.1	− 3 22	6.2	5.62	3802,4183,4186	*17*,15,02
1759	48.2	+62 57	6.7	6.83	3472,3762,4103	10,09,*20*
2547	48.2	+52 45	5.3	*5.23*		. 07,*07*
3125	48.2	+49 27	7.3	7.35	3807,3858	03,*03*
3543	48.2	+28 0	7.1	7.00	3864,4138,4163	*01*,10,*09*
4004	48.2	+25 36	7.4	*7.41*		A . .
2937	48.3	+47 9	6.2	6.24	3807,3857,3859	03,*03*,*01*
15668	48.3	−24 11	6.4	6.28	3814,3852,4157	08,*14*,05
4264	48.4	+ 4 9	6.5	*6.30*		*05*, . 04
13771	48.4	−36 28	7.0	6.92	3109,3117,3477,3481	04,*02*,*09*,09
R	48.4	−42 8	. .	4.34	3740,3769,4101,4166	*14*,*02*,11,04
1070	48.5	+70 1	3.8	4.01	3465,3472,3477,3481,3485,3488,3494,3495,3501,3753,3769,3775,3776,3779,3781,3783,3801,3804,3826,3830,3833,3840,3842,3843,3852,3855,3857,3858,3860,4097,4101,4102,4137,4157,4163,4166,4171,4174,4177,4180,4181,4182,4185,4187,4189,4192,4200,4201,4203,4206,4208,4211,4225,4476,	*20*,00,24,17,*04*,07,09,02,13,02,15,08,24,07,*08*,*09*,01,16,14,32,*09*,*04*,*28*,14,21,14,00,11,*04*,*08*,*01*,*12*,*08*,*01*,06,02,*02*,*16*,*21*,05,17,*15*,*12*,*23*,*15*,16,04,*36*,16,17,*11*,03,*08*,*05*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4477,4478,4486, 4487,4491,4493, 4500,4506,4523, 4528,4529,4532, 4538,4542,4546, 4561	*22*,*28*,16, 00,*08*,31, 18,*14*,11, 07,*31*,*09*, 02,*08*,*22*, *17*
3744	48.7	+36 11	6.3	6.33	3867,4138,4174	11,*03*,*09*
5150	48.7	− 8 51	5.8	*6.02*		. *07*,06
14560	48.7	−33 18	6.7	6.42	3117,3810,3852	07,*12*,05
2026	48.8	+60 57	6.1	*6.69*		02, . *02*
2902	48.8	+50 24	7.2	*8.02*		A . .
2904	48.8	+50 32	7.3	*7.92*		A . .
3513	48.8	+28 44	7.3	7.17	3864,4138,4163	*16*,10,06
2793	49.0	+46 47	5.8	5.56	3859,4136,4201	12,*24*,11
4195	49.0	+20 5	7.2	*7.20*		A . .
4196	49.0	+20 5	7.5	*7.50*		A . .
2939	49.2	+47 41	5.8	5.61	3843,4136,4201	*01*,*02*,02
3820	49.2	+23 50	4.6	*4.34*		. . A
4053	49.2	+16 31	7.3	7.61	3753,3766	*02*,02
645	49.3	+79 17	7.5	7.58	3762,3769	*19*,19
5154	49.3	− 8 29	6.2	5.53	3465,3783,4202	*27*,03,24
5155	49.3	− 8 30	7.1	6.61	3465,4183,4186	*22*,37,*15*
4261	49.4	+ 8 12	5.2	*4.84*		. *05*,04
4083	49.5	+15 2	6.5	*7.04*		A . .
13759	49.5	−38 35	7.0	6.71	3109,3117,3477	*07*,18,*12*
2703	49.6	+52 2	7.0	7.16	3858,3859	*03*,02
3871	49.6	+ 0 1	6.0	5.56	3802,3804,4202	*01*,*07*,09
5650	49.6	−19 33	7.0	7.00	4183,4186	06,*05*
14637	49.7	−26 34	5.1	4.79	3814,3829,4200	*02*,*13*,14
14639	49.7	−26 49	7.4	7.51	3814,3829	*06*,06
3712	49.8	+26 20	7.3	6.81	3864,4138,4163	00,00,00
4312	49.8	+ 9 30	7.5	7.28	3473,3753	*05*,04
4351	49.8	+ 6 53	7.0	5.96	3473,4187,4200	*02*,15,*14*
5102	49.9	− 7 0	6.3	6.45	3783,3802,4183	03,*21*,17
3778	50.0	+34 19	6.8	6.79	4137,4138	*11*,11
2945	50.1	+47 34	6.8	6.15	3807,3843,4136	18,*23*,06
3931	50.2	+41 6	6.8	6.88	3780,3801,4137, 4138	08,*01*,*02*, *07*
3642	50.3	+33 31	7.2	*6.90*		. A .
3829	50.3	+24 4	5.9	5.46	3465,4114,4201	*11*,*11*,23
3854	50.4	+22 10	7.1	6.85	4114,4115,4507	14,*10*,*03*
4357	50.4	+ 6 9	4.0	*3.84*		. . A
1409	50.5	+65 17	7.2	*7.85*		A . .
3924	50.6	+24 37	7.7	7.12	4114,4115	02,*02*
17490	50.6	−30 50	6.6	6.62	3804,3810,3814	09,*06*,*04*
13529	50.6	−39 39	7.3	7.68	3481,3804,4165	03,22,*25*
15872	50.7	−23 20	8.0	7.56	3814,3829,3855	09,*11*,03
14399	50.8	−27 26	4.6	*4.60*		. *01*,00
5458	50.9	−15 58	7.3	7.62	3114,3772	*06*,07
13775	51.0	−38 1	7.5	7.22	3109,3117,3477, 4157	*11*,04,04, 03
13776	51.0	−38 19	6.8	6.45	3109,3117,3477, 4157	*08*,06,*02*, 04
2979	51.1	+48 59	7.5	7.90	3807,3843	*08*,09
3766	51.1	+36 44	6.0	*5.80*		. . A
3802	51.1	+29 56	6.9	6.31	4115,4138	*16*,16
4325	51.1	+ 9 57	7.0	6.94	4181,4187	05,*06*
2084	51.2	+57 16	5.4	5.07	3858,4136,4201	08,*25*,16
2085	51.2	+57 55	7.5	7.54	3779,3858	01,*02*
3534	51.2	+41 13	7.5	7.31	3801,3843,3857	*07*,05,02
3790	51.2	+34 38	7.5	*7.17*		A . .
3806	51.2	+30 25	7.3	*7.06*		A . .
4096	51.4	+14 47	7.0	*7.14*		A . .
4055	51.5	+11 9	5.5	*5.22*		. *06*,07
3535	51.6	+41 36	7.5	7.36	3780,3801	00,00
1574	51.7	+63 55	7.0	6.84	3472,3762,4103	*10*,03,08
13454	51.7	−36 57	6.9	6.92	3117,3477,3481, 3804	*16*,07,*16*, 26
648	51.8	+79 12	7.0	7.39	3762,3769,3772, 3779,3780,3801, 4206,4206,4208, 4208,4211,4211, 4538,4538,4542, 4542,4544,4544, 4545,4545	*03*,02,*16*, 09,22,*23*, 09,00,*06*, 00,02,01, *03*,18,*01*, *07*,*12*,02, 10,*04*
2137	51.8	+59 27	5.8	5.97	3857,4136,4201	13,*09*,*04*
5114	51.8	− 7 40	7.3	7.64	3783,3802	*02*,03
5115	52.0	− 6 58	6.7	6.72	3783,3802,4183	*15*,05,09
1253	52.1	+66 26	7.0	7.58	3762,3769	00,*01*
2952	52.1	+47 17	6.7	6.69	3807,3843,4136	16,*04*,*13*
2807	52.1	+46 24	7.5	7.48	3807,3843	20,*20*
3881	52.1	+ 0 5	7.0	6.87	3473,3753,4187	05,*05*,*01*
5230	52.1	−10 18	7.5	*7.51*		A . .
15606	52.1	−32 42	7.5	8.02	3804,3810,3814	*04*,22,*17*
2920	52.2	+50 34	7.3	*7.77*		A . .
3959	52.2	+39 55	6.8	6.74	4137,4138	02,*02*
3634	52.2	+32 48	7.4	*7.24*		. A .
15607	52.2	−32 54	7.4	7.71	3804,3810,3814	08,*25*,17
3948	52.3	+40 8	7.5	*7.22*		A . .
3817	52.3	+38 13	5.5	4.95	3867,4137,4201	*14*,16,*01*
3843	52.3	+23 37	7.0	7.06	3860,4114,4115	*29*,28,01
5516	52.3	−15 45	5.3	5.06	3772,4182,4202	*19*,12,08
3845	52.5	+23 30	7.0	6.72	3860,4114,4115	*08*,21,*14*
5303	52.5	− 9 19	7.4	7.58	3783,3802	*01*,01
3798	52.6	+34 49	4.2	*4.02*		. 02,*02*
5319	52.6	− 6 43	7.5	7.58	3783,3802,3804	11,*22*,11
5469	52.6	−16 14	7.3	7.54	3114,3772	12,*11*
4351	52.7	+20 44	6.8	6.54	4114,4115	07,*07*
16309	52.7	−28 55	7.5	7.75	3488,3814	04,*04*
17525	52.7	−30 48	6.5	6.21	3117,3804,4157	09,03,*13*

19^h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
3815	52.8	+30 41	6.5	6.94	4137,4138	02,*03*
14682	52.8	−26 28	5.3	*4.86*		. 19,*20*
2812	52.9	+46 50	7.3	6.91	3807,3843,4201	15,*14*,00
2140	53.0	+59 21	6.5	*7.21*		A . .
2572	53.0	+52 10	5.5	*4.83*		. . A
2045	53.1	+60 33	6.8	7.32	3857,4517	11,*11*
3878	53.1	+35 59	6.4	*6.04*		*07*, . 06
3847	53.1	+23 49	7.5	7.13	3860,3873,4114	*18*,07,11
5155	53.1	− 2 30	7.5	7.04	3465,3783	*17*,16
13464	53.1	−37 39	7.3	7.03	3117,3477,3481,4493	05,*16*,00,12
2046	53.2	+60 21	6.6	*7.36*		A . .
3820	53.2	+30 30	7.2	6.96	4137,4138	05,*05*
4081	53.2	+16 31	5.8	5.32	3774,4200,4203	08,02,*09*
4065	53.2	+11 9	7.5	7.35	3753,3758	00,00
4066	53.2	+11 19	7.5	7.58	3753,3758	*13*,14
13831	53.2	−35 33	4.5	4.25	3095,3117,3477,3769,3775,3779,3801,4101,4166,4478,4491,4493,4538,4554	16,11,09,08,03,04,02,*16*,*09*,03,*19*,*03*,*05*,00
3542	53.3	+28 26	7.0	6.79	3864,4115,4138	*13*,*06*,18
4757	53.3	− 3 49	6.8	7.14	3783,3802	03,*02*
13832	53.3	−34 58	5.8	5.31	3477,3769,3775,3779,3801,3810,3814,4101,4166,4491,4493,4538,4554	15,06,*08*,05,*09*,15,00,04,*04*,*02*,*11*,*11*,05
2092	53.4	+57 59	6.3	6.19	3779,3857,4136	*11*,10,01
3968	53.7	+40 6	5.8	*5.38*		09,*04*,*05*
4086	53.7	+16 13	7.0	*6.81*		. A .
4159	53.7	+ 1 24	7.1	6.84	3473,3753,4181	*05*,*05*,09
5296	53.7	−22 29	6.5	6.84	3814,3826,4157	*04*,05,00
13802	53.7	−37 58	6.2	6.09	3117,3481,3779,3801,4101,4157,4506,4538	07,*10*,16,32,*30*,*20*,*07*,13
1768	53.8	+62 19	7.5	7.97	3472,3762	*09*,09
3546	53.8	+28 36	7.4	7.05	3864,4115,4507	00,*10*,11
1398	53.9	+64 27	6.3	6.98	3472,3769,4201	*17*,11,05
2253	53.9	+54 45	7.5	*8.01*		A . .
3832	53.9	+38 11	6.8	6.71	3867,4137,4138	*06*,01,04
14082	53.9	−33 58	5.9	5.65	3485,3775,3779,3801,3814,4101,4211,4491,4498,4500,4538,4554	16,*32*,30,*30*,08,*11*,*03*,33,*09*,14,*12*,*05*
2930	54.0	+50 38	6.2	*6.27*		10, . *10*
2013	54.1	+58 35	5.1	4.99	3779,4136,4201	16,*13*,*04*
5607	54.1	−11 59	7.5	7.54	3772,3802	*03*,02
2331	54.2	+56 25	6.3	*6.13*		. . A
4229	54.3	+19 13	3.8	*3.74*		. *02*,02

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
4375	54.3	+ 1 7	6.7	6.36	4181,4187	13,*14*
15630	54.3	−32 27	7.3	7.34	3117,3485,3804,3810,4506	*11*,13,*04*,15,*11*
4126	54.4	+11 2	6.7	6.52	4187,4201	*16*,15
5238	54.4	−10 13	6.3	*5.86*		*05*, . 06
1256	54.5	+66 28	6.8	7.24	3762,3769	*11*,11
3958	54.5	+40 39	7.5	7.44	3867,4137	17,*16*
5159	54.5	− 2 14	7.0	6.61	3465,3783,4182	09,*12*,02
16332	54.5	−28 52	7.3	7.08	3488,3814,4206,4206,4208,4208,4211,4211,4542,4542,4544,4544,4545,4545	*13*,01,*16*,*17*,*23*,*19*,*22*,*01*,17,*04*,51,43,04,*01*
3549	54.6	+41 59	6.5	6.46	3780,3801,4201	04,01,*05*
3651	54.6	+33 0	7.5	7.12	3866,4137	11,*10*
13809	54.6	−38 51	7.2	7.48	3095,3477,3481	12,*05*,*06*
13560	54.6	−38 57	7.5	7.42	3095,3117,3477	05,01,*05*
3837	54.7	+30 42	5.8	5.57	3866,4137,4201	*04*,11,*08*
5784	54.7	−20 8	7.0	*7.83*		A . .
3872	54.8	+22 50	5.9	5.75	3860,4114,4201	*11*,17,*06*
14712	54.8	−26 30	7.4	7.78	3488,3814	16,*17*
2152	54.9	+60 1	7.4	*7.86*		A . .
3703	54.9	+37 50	6.7	6.28	3867,4137,4138	*05*,*06*,12
5478	54.9	−16 9	7.1	7.09	3114,3772	07,*07*
13484	54.9	−36 57	7.5	7.52	3477,3481,3804	*05*,02,04
3895	55.1	+35 13	7.4	6.78	4137,4138	*10*,10
3574	55.1	+27 14	7.0	6.88	3864,4115,4138	*13*,*06*,20
4058	55.4	+ 3 4	7.3	6.79	3473,3753,4181	*08*,*08*,17
5613	55.5	−12 31	7.3	7.64	3772,3802	05,*06*
5613	55.5	−14 13	7.5	7.16	3114,3772	12,*11*
15935	55.5	−23 1	5.9	*6.10*		. *05*,06
4183	55.6	+17 15	5.8	5.57	3753,4186,4187,4200	*24*,27,05,*08*
4185	55.6	+17 20	7.5	7.07	2720,2727,3753,3758	*19*,21,15,*15*
694	55.7	+78 22	7.5	7.80	3762,3769	06,*06*
3878	55.8	+31 33	6.9	6.69	3866,4137,4138	*06*,06,01
5199	55.8	−11 3	7.5	7.62	3772,3802	04,*05*
5832	55.8	−17 8	7.3	7.42	3114,3772	01,*02*
1773	55.9	+62 36	7.2	7.38	3472,3762	*18*,18
2821	55.9	+47 5	7.4	7.61	3807,3843	13,*13*
4058	55.9	+25 40	7.0	7.50	3864,4115	*07*,06
4060	56.1	+25 55	6.4	6.52	3864,4115	*09*,09
5835	56.1	−17 49	7.3	7.67	3114,3802	*04*,04
3025	56.2	+45 30	5.8	*5.87*		. . A
3806	56.2	+36 46	5.8	5.17	3867,4137,4201	15,*06*,*10*
3662	56.2	+32 31	7.0	7.21	3866,4138	*10*,10
3838	56.2	+29 38	7.0	*7.26*		A . .
4189	56.2	+13 6	7.2	7.10	3753,3758	10,*11*
4300	56.2	+ 8 17	6.2	*6.06*		. *01*,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5680	56.2	−19 23	7.3	7.52	3114,3802	08,*07*
2945	56.3	+50 23	7.2	*7.42*		▲ . .
3839	56.3	+29 32	7.4	7.50	3864,4115	06,*07*
2060	56.4	+60 34	7.1	*7.36*		▲ . .
3868	56.4	+23 31	7.3	7.32	3860,3873	01,*02*
5618	56.4	−13 55	5.8	*5.71*		*04*,19,*15*
3807	56.5	+36 8	7.0	7.01	3867,4137	14,*14*
4132	56.5	+14 16	7.0	7.03	3753,3758	*03*,03
3899	56.5	− 0 29	7.5	7.04	3465,3473,3802	*03*,01,03
16355	56.5	−27 59	4.7	*4.58*		. 06,*05*
2728	56.6	+51 47	6.5	6.07	3857,4136,4201	10,00,*09*
4133	56.6	+14 33	6.7	*7.39*		▲ . .
4134	56.6	+14 56	7.5	*7.89*		▲ . .
4143	56.6	+10 28	7.1	6.95	4166,4186	*02*,02
2106	56.9	+57 32	7.5	7.08	3779,3857	*07*,07
3562	56.9	+41 56	7.0	7.34	3780,3801	17,*16*
5138	56.9	− 5 16	6.3	*6.70*		▲ . .
13856	56.9	−36 53	7.1	6.81	3095,3117,3477	03,05,*08*
13828	56.9	−38 13	5.0	4.95	3117,3477,3779, 3801,3804,4211, 4493,4554	*02*,*04*,*26*, 06,11,03, 24,*13*
13583	56.9	−39 8	7.0	6.74	3095,3117,3477	*01*,07,*05*
3862	57.0	+38 55	7.2	7.14	3867,4138	*02*,01
3853	57.0	+30 57	6.9	6.76	3866,4138	00,01
3587	57.0	+27 29	5.0	4.63	3864,4115,4201	*01*,*26*,27
13500	57.0	−37 48	7.2	6.90	3477,3481,3485	*10*,13,*04*
2734	57.1	+51 52	7.8	7.05	3465,3467,3472, 3857,3858,4136, 4136,4202,4202, 4206,4206,4208, 4208,4517,4523, 4528	03,04,00, 29,00,12, 33,*30*,*15*, *15*,*08*,*12*, *04*,12,17, *26*
3816	57.1	+36 19	7.0	6.67	3867,4137,4138	00,*01*,00
13859	57.1	−36 20	7.2	7.19	3477,3481,3804	*22*,01,22
3763	57.2	+26 54	7.5	7.38	3864,4138	*14*,13
4103	57.2	+16 14	7.4	7.41	3753,3758	18,*18*
5578	57.2	−18 49	7.3	7.57	3114,3802	03,*03*
1584	57.3	+63 16	6.5	5.96	3472,3762,4103	05,*06*,01
4147	57.4	+10 26	7.0	6.72	4166,4186	*09*,10
4771	57.4	− 3 37	7.3	8.18	3465,3783	*05*,05
5839	57.4	−17 38	7.4	7.61	3802,3804	00,00
5581	57.4	−18 31	7.5	7.72	3114,3783	08,*08*
13832	57.4	−38 9	7.3	6.85	3117,3477,3804	*02*,*27*,28
3820	57.5	+36 49	6.7	6.39	4137,4138,4163	10,11,*20*
3975	57.5	+24 31	6.2	*5.68*		*02*, . 02
3569	57.6	+41 43	7.5	7.73	3780,3801	13,*13*
3727	57.7	+37 42	7.5	7.66	3867,4137	11,*12*
4247	57.7	+13 38	6.5	6.66	3753,3758,4186	05,12,*18*
3977	57.8	+24 39	5.5	*5.20*		. . ▲
5318	57.8	−22 53	6.8	*6.50*		. 04,*04*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3562	57.9	+42 46	7.2	7.29	3780,3801	08,*08*
5541	57.9	−15 42	7.2	7.16	3783,3802	00,*01*
3862	58.0	+30 50	7.0	6.60	3866,4138,4163	17,*16*,*02*
4104	58.0	+12 4	6.8	6.88	3753,3758,4186	04,*01*,*03*
17278	58.0	−31 0	7.8	8.15	3841,3810,3814	30,*18*,*13*
15682	58.0	−32 20	5.4	5.07	3775,3780,3801, 3810,4211,4493, 4500,4532,4538, 4542,4554	*21*,02,*12*, 21,04,01, *17*,08,*02*, 17,*03*
4027	58.1	+21 52	6.5	6.55	3860,3873,4114	*11*,*14*,24
4026	58.1	+15 21	7.0	*7.19*		▲ . .
4149	58.1	+15 5	7.5	*7.99*		▲ . .
4153	58.1	+10 37	6.9	6.62	4166,4186	*05*,05
4150	58.2	+14 16	6.5	6.58	2720,4166,4186	00,02,*02*
4325	58.2	+ 4 27	7.5	6.80	3753,3758,3766, 4166	02,07,04, *11*
16379	58.2	−28 2	7.5	7.44	3488,3814	*02*,01
1096	58.3	+68 9	7.5	7.48	3762,3769	12,*11*
3575	58.3	+41 32	7.0	7.23	3780,3801	00,00
3982	58.4	+40 34	7.0	7.10	3867,4138	*03*,03
1216	58.5	+67 11	7.4	7.38	3762,3769	06,*05*
3158	58.5	+49 49	5.1	*5.37*		. . ▲
3457	58.5	+43 50	6.8	7.28	3780,3801	09,*10*
4201	58.5	+18 1	7.2	6.75	2720,3758,4166	*07*,*01*,07
3595	58.6	+28 14	7.1	6.79	3864,4115,4138	00,*21*,20
5159	58.6	− 7 45	6.7	6.50	3465,3783,4182	*13*,10,04
2070	58.7	+60 48	7.5	8.00	3779,3858	17,*18*
4365	58.8	+18 14	7.0	6.14	2720,3753,4166, 4542,4542,4544, 4544,4545,4545	*06*,*22*,00, *07*,02,00, 06,09,19
3905	58.9	+31 40	6.7	*6.53*		. . ▲
4033	58.9	+15 45	5.0	*5.58*		. 03,*02*
1084	59.0	+70 5	6.5	6.57	3762,4103,4200	17,*04*,*14*
13899	59.0	−34 57	7.0	6.87	3481,3485,3804	*10*,*05*,14
3735	59.1	+37 32	7.0	7.16	3867,4137	*10*,11
5609	59.1	−21 36	7.0	7.11	3814,3829	09,*09*
14515	59.1	−27 6	7.2	7.08	3488,3814	*03*,03
4157	59.2	+14 19	8.8	9.30	3753,4166,4186, 4187,4507,4522, 4523,4542	*28*,*06*,18, *01*,*27*,26, R,18
3887	59.2	− 0 59	6.5	5.77	3465,3783,4202	*02*,*03*,05
16780	59.2	−29 22	7.2	7.24	3488,3814	*07*,08
14700	59.2	−33 17	6.6	6.37	3485,3804,3810	23,08,*32*
718	59.3	+75 27	7.2	*7.32*		▲ . .
3903	59.3	+22 39	6.7	6.67	3860,3873,4114	00,*05*,05
4158	59.3	+14 42	7.0	6.97	4166,4186	05,*05*
4416	59.3	+ 7 0	6.0	5.73	3473,4166,4187, 4200,4507,4522, 4523	*17*,04,56, *23*,*11*,00, *09*
4036	59.4	+21 13	6.6	6.88	3860,4114,4507	02,04,*06*

19^{h} — 20^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4119	59.4	+16 51	7.0	6.83	2720,3735,4166	15,*06*,*09*
4118	59.4	+16 26	7.5	7.68	2720,2720,2735, 2742	10,10,*11*, *11*
4207	59.4	+12 52	9.1	9.23	3774,4166,4186, 4201,4507,4522, 4523	*19*,*07*,20, *21*,*04*,16, 12
4017	59.5	+39 53	7.5	*7.37*		▲ . .
3872	59.5	+29 38	6.0	5.64	4115,4138,4507, 4523	*29*,18,05, 04
4406	59.5	+20 46	7.5	7.43	3860,4114	*03*,03
5641	59.6	−11 53	6.2	*6.46*		. 03,*04*
3589	59.7	+41 11	6.8	6.91	3780,3801,4136	*05*,00,05
3873	59.7	+29 42	7.5	6.93	4138,4507,4523, 4528	08,*05*,*01*, *03*
3908	59.7	+23 5	7.0	7.20	3860,3873	*07*,06
4206	59.7	+17 26	7.2	6.77	2735,2742,4166	*10*,10,01
4121	59.7	+16 48	5.5	5.83	3766,4166,4186, 4200	12,00,*06*, *07*
1097	59.8	+68 12	7.5	7.92	3762,3769	*12*,12
3930	59.8	+35 45	7.0	6.69	3867,4137,4138	*18*,17,00
5010	59.8	− 4 36	7.3	*7.65*		▲ . .
5569	59.9	−12 57	6.2	6.38	3802,4182,4202	*01*,05,*04*
3744	0.0	+38 2	7.2	7.52	3867,4137	02,*03*
4209	0.0	+12 44	7.3	7.44	2735,2742	00,00
4196	0.1	+ 1 50	7.2	6.67	2735,2742,4166	13,*16*,03
4038	0.2	+15 38	6.5	7.07	2735,2742	10,*10*
4411	0.2	+ 0 10	7.0	6.91	2742,4166,4181	07,*06*,*01*
17299	0.2	−31 51	7.5	7.93	3485,3804,3810	16,00,*16*
3921	0.3	+31 52	8.6	8.43	3465,4174,4200	*15*,*06*,20
3875	0.3	+30 57	7.4	6.87	3866,4138,4163	07,*06*,*01*
1405	0.4	+64 32	5.0	5.39	3465,3467,3472, 3473,3481,3485, 3488,3491,3494, 3497,3753,3766, 3769,3774,3775, 3779,3780,3781, 3801,3804,3826, 3833,3840,3842, 3859,3864,4101, 4115,4136,4138, 4157,4163,4164, 4165,4170,4173, 4179,4182,4183, 4185,4198,4202, 4203,4206,4208, 4211,4224,4225, 4233,4476,4478, 4486,4491,4493, 4506,4507,4523, 4528,4529,4538, 4539,4542,4544, 4546,4561	24,*02*,17, 00,17,*04*, *05*,*06*,09, *31*,*07*,*01*, 19,*01*,05, 22,07,*14*, 19,16,*10*, *07*,*02*,16, *07*,19,13, 07,*28*,*06*, *29*,*11*,*14*, *24*,*09*,*03*, *13*,10,*16*, *09*,16,11, 14,22,*09*, 03,*09*,07, 07,02,*08*, 33,*12*,*01*, *05*,02,10, *24*,*09*,*12*, 19,*03*,*15*, *03*,00
2965	0.4	+50 11	7.1	*7.47*		▲ . .
3170	0.4	+50 1	7.0	*7.52*		▲ . .
3716	0.5	+33 16	7.5	7.75	3866,4138	*15*,15
4259	0.5	+13 28	7.5	7.38	2720,2735,3491	*10*,*01*,11
5706	0.5	−19 47	7.0	*7.53*		▲ . .
2613	0.6	+52 17	7.5	7.63	3855,3858	14,*14*
3913	0.6	+22 55	7.3	6.41	3860,3873,4114	*26*,*01*,28
4131	0.6	+16 23	8.5	7.59	3753	▲
3925	0.7	+31 56	6.0	5.64	4138,4200,4507	*19*,11,07
4277	0.7	+19 42	5.5	5.18	3491,4200,4201	08,*14*,05
5335	0.7	−21 58	7.6	7.84	3810,3814	*15*,16
2344	0.8	+56 49	7.2	7.54	3779,3855	*15*,15
14534	0.8	−27 31	8.0	8.22	3802,3804,4206, 4206,4224,4224, 4225,4225,4542, 4542,4544,4544, 4545,4545,4554, 4554,4561,4561	*04*,32,*18*, *16*,*30*,*50*, 56,45,*03*, 02,24,17, 02,10,*23*, *08*,*20*,*12*
13924	0.8	−35 49	7.5	7.51	3117,3477,3481	03,*15*,11
4040	0.9	+15 13	6.0	*6.60*		09, . *09*
4126	0.9	+11 53	9.0	7.87	2720,3758,3779, 3801,3802,3804, 3807,4202,4202, 4224,4224,4225, 4225,4542,4542, 4544,4544,4545, 4545	19,02,18, *13*,*04*,03, 17,*12*,*20*, 18,12,00, *08*,*09*,03, *03*,*18*,03, *02*
4341	0.9	+ 4 29	7.0	6.74	2742,3473,4166	*03*,10,*07*
5013	0.9	− 4 22	6.5	6.62	4182,4183	06,*05*
991	1.1	+71 37	7.5	7.90	3769,4170	15,*16*
2168	1.1	+59 23	7.5	7.78	3779,3857	*11*,11
13894	1.1	−35 57	7.5	7.53	3477,3481,3485	00,*08*,07
1407	1.2	+64 21	6.5	*6.65*		▲ . .
5577	1.2	−13 13	7.3	7.61	3783,4182	01,*01*
17664	1.2	−30 1	7.0	6.77	3804,3810,3814	06,*17*,12
5016	1.3	− 4 42	7.2	7.18	3182,3183	*06*,05
5645	1.3	−12 44	7.3	7.49	3783,3802	*05*,05
3918	1.4	+22 30	7.5	6.87	3860,3873,4114	*09*,*09*,19
2973	1.5	+51 1	7.4	7.20	3855,3858	*21*,21
3896	1.5	+38 12	6.8	6.56	3867,4137,4138	*19*,*11*,30
5356	1.5	− 9 12	7.5	7.68	3465,3766,3783	*09*,*09*,17
3004	1.6	+47 57	6.2	*6.00*		. . ▲
4264	1.6	+13 30	8.9	8.99	3758,4166,4201, 4202	00,10,01, *11*
5237	1.6	− 8 29	7.3	7.75	3465,3766,3783, 3802	19,15,*10*, *25*
4010	1.7	+40 32	7.2	*7.12*		▲ . .
15814	1.7	−24 10	7.5	7.54	3810,3814	*06*,05

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4367	1.8	+ 7 17	7.8	*6.94*		. A .
4225	1.9	+12 25	7.0	7.47	3491,3758	11,*11*
4131	1.9	+11 57	8.2	8.00	3753,3779,3801,3802,3804,3807,4202,4202,4224,4224,4225,4225,4542,4542,4544,4544,4545,4545	01,*20*,05,*14*,03,18,*30*,02,09,21,*01*,*15*,05,05,*04*,13,08,*01*
4226	2.0	+12 39	7.4	7.23	3491,3758	04,*04*
4015	2.2	+41 0	7.4	7.62	3867,4137	12,*12*
3952	2.2	+35 24	7.5	*7.30*		A . .
3953	2.2	+35 31	7.0	*7.01*		A . .
1222	2.3	+67 35	5.1	4.66	3467,3472,3473,3477,3485,3488,3491,3494,3495,3497,3762,3766,3769,3772,3774,3780,3781,3801,3826,3829,3833,3841,3842,3843,3859,3860,3867,4114,4115,4138,4157,4164,4165,4170,4173,4179,4183,4185,4189,4196,4198,4202,4206,4224,4233,4493,4507,4522,4528,4529,4538,4539,4544,4545,4546,4554	13,*07*,*10*,*10*,15,*08*,*06*,04,*03*,11,20,*04*,14,03,17,19,*15*,*02*,12,11,14,*01*,17,08,01,11,*05*,*02*,*13*,*02*,21,*09*,*08*,*03*,*23*,00,*03*,*10*,07,*03*,17,*01*,*06*,04,09,*03*,*19*,05,05,*05*,*21*,02,*23*,14,*01*,*09*
771	2.4	+76 13	6.0	*6.42*		05, . *06*
2763	2.4	+51 33	6.2	6.25	3858,4136,4201	25,*27*,03
4229	2.4	+13 3	7.2	7.41	3491,3758	16,*16*
4138	2.4	+12 5	9.0	8.25	3779,3801,3802,3804,3807,4202,4202,4224,4224,4225,4225,4542,4542,4544,4544,4545,4545	*12*,*21*,*24*,02,00,04,*13*,28,23,*04*,*06*,*08*,10,00,*02*,05,10
5721	2.4	−19 6	7.0	7.01	3783,3802	16,*16*
3896	2.5	+23 19	5.2	*4.89*		. . A
4180	2.5	+10 46	7.0	6.97	3491,3758,4166	04,*11*,08
2129	2.6	+57 20	7.5	*7.88*		. 05,*05*
13877	2.6	−38 36	7.3	7.36	3117,3477,3481,3485	01,04,*05*,02
3026	2.7	+48 17	7.5	7.20	3807,3843	18,*17*
3959	2.7	+35 42	5.5	5.57	4137,4507,4538,4539	17,*08*,03,*12*
4093	2.7	+ 2 10	7.1	7.09	2742,3473	02,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5177	2.7	− 7 3	6.8	*6.85*		. . A
3906	2.8	+38 48	6.7	7.08	3867,4507,4538,4539	13,*22*,18,*09*
3962	2.8	+35 57	7.5	*7.17*		. . A
3873	2.8	+34 51	7.5	*8.02*		A . .
4047	2.8	+15 47	7.0	7.48	3491,3758	15,*14*
5564	2.8	−15 19	6.6	*6.79*		A . .
3899	2.9	− 0 58	7.0	*6.04*		. . A
5648	2.9	−14 32	7.5	*7.56*		A . .
4150	3.0	+16 22	7.0	7.08	2747,3491	*20*,19
5284	3.0	−10 36	7.3	7.20	3783,3802	01,*02*
14179	3.0	−34 10	6.8	7.01	3485,3804,3810	08,14,*22*
2324	3.1	+56 3	6.5	6.19	3779,4136,4201	07,*22*,15
4344	3.1	+ 9 6	6.5	6.44	3758,4166,4186,4200	*13*,*05*,15,02
5285	3.1	−10 21	6.0	6.17	3783,3802,4202	*08*,*05*,14
16447	3.1	−28 44	7.3	7.05	3488,3810,4157	*05*,*20*,24
3880	3.4	+36 33	7.0	6.88	3867,4163,4507	22,*18*,*03*
1593	3.5	+63 36	6.5	6.18	3472,3762,4170	08,01,*10*
4153	3.5	+16 24	6.5	6.67	2725,3491,3494,4166	07,11,*02*,*16*
2623	3.6	+52 51	5.9	*5.73*		. . A
3883	3.7	+36 17	7.1	7.44	3867,4163,4202,4202,4203,4203,4206,4206,4206,4208,4208,4542,4542,4544,4544,4545,4545	24,27,*12*,*03*,*05*,10,R,R,*11*,*06*,15,06,*10*,*17*,*05*,07,*15*
3881	3.8	+34 8	6.0	*5.97*		. . A
5629	3.8	−20 53	7.2	7.30	3810,3814	*05*,06
4189	3.9	+10 26	6.0	6.30	3491,4166,4186	03,05,*09*
1970	4.0	+61 42	5.0	5.56	3762,3769,3772	07,*02*,*06*
4153	4.1	+11 58	7.0	7.02	2725,3473,3491,4166	*05*,*11*,03,13
14589	4.1	−25 35	7.5	7.24	3488,3810	06,*05*
14766	4.1	−33 51	7.5	7.82	3485,3823,3829,3852	15,*05*,*05*,*04*
3195	4.3	+49 57	6.7	6.42	3855,3857	06,*07*
3347	4.3	+44 52	7.0	*7.47*		A . .
4071	4.4	+21 52	6.8	7.11	3860,3871	*10*,11
1226	4.5	+67 45	7.0	6.56	3762,3769,4170	*03*,18,*15*
4162	4.5	+16 39	7.0	6.96	2725,2747,3491,4166	08,*38*,18,14
3618	4.6	+42 6	6.9	7.01	3780,3781,3801	06,*11*,04
4192	4.6	+10 30	7.5	*7.48*		A . .
15769	4.6	−32 37	7.3	7.51	3119,3485,3804	15,*08*,*08*
13940	4.6	−36 21	5.8	5.42	3119,3130,3136,3477,3485,3488,3497,3780,3810,3823,3829,3842,	22,*01*,19,*04*,13,*14*,*26*,23,13,*04*,*02*,01,

20^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3852,4114,4157, 4211,4493,4506, 4522,4523,4538, 4542,4554	*09*,21,*19*, *02*,*15*,*08*, *01*,45,*33*, *11*,03
5731	4.7	−19 41	7.0	*7.26*		A . .
4402	4.8	+18 48	7.3	7.01	2725,2747,3494, 4507	23,*23*,*02*, 03
5391	5.1	− 6 28	8.0	7.78	3465,3766	*05*,05
16857	5.2	−29 0	7.2	7.32	3488,3810	20,*19*
4054	5.3	+39 30	7.0	7.26	3867,4163	*04*,05
3765	5.3	+33 38	7.5	7.72	3866,4137	*12*,13
4358	5.3	+ 8 10	6.5	*6.61*		. A .
5836	5.3	−20 33	7.3	7.70	3810,3814	*05*,04
1597	5.5	+63 25	7.5	7.32	3762,3769,4170, 4200	11, R ,*28*, 18
3994	5.5	+35 11	7.5	*7.17*		A . .
4453	5.5	+20 37	6.4	6.40	3860,3873,4201	14,*17*,02
3766	5.6	+33 23	7.3	7.65	3866,4137	11,*11*
2144	5.7	+57 31	7.2	7.04	3779,3858	08,*08*
3907	5.7	+36 33	5.5	*4.80*		. . A
5394	5.7	−. 6 23	6.8	6.84	3465,3766,4182	00,*05*,05
897	5.8	+73 37	6.7	6.86	3762,3769,4170	09,*08*,00
934	5.8	+72 29	7.5	7.70	3762,3772	*29*,29
3046	5.8	+48 37	7.3	7.19	3807,3843	04,*04*
5382	5.8	− 9 9	6.5	6.42	4182,4183	*02*,03
2989	5.9	+50 18	6.8	*7.52*		A . .
4209	5.9	+14 15	7.5	7.75	2725,2747,3494	09,03,*11*
3911	6.1	− 1 7	3.3	3.35	3766,4182,4183	*09*,*14*,22
1433	6.2	+66 1	7.0	6.89	3762,3769,4170	22,*01*,*20*
3927	6.2	+38 51	6.8	7.26	3867,4163	10,*11*
4029	6.2	+24 46	7.4	7.16	4114,4163	12,*11*
3937	6.2	− 0 26	8.2	7.06	3465,3766	*06*,05
1415	6.4	+64 54	7.2	*7.70*		A . .
3616	6.4	+42 15	7.5	7.80	3780,3781,3801	00,03,*02*
3645	6.4	+28 8	7.1	6.94	3864,4163,4174, 4507	R ,02,*09*, 07
3646	6.4	+29 4	7.5	7.44	3864,4163	08,*09*
3815	6.4	+26 37	5.7	5.48	3864,4163,4201	01,*05*,03
5664	6.4	−12 41	6.5	*6.44*		. 04,*05*
4369	6.5	+ 8 26	7.5	7.21	2725,2747,3473	06,04,*09*
4074	6.6	+15 54	7.0	7.26	2725,2747,3473	18,*18*,01
4462	6.7	+20 51	6.3	*6.26*		*06*, . 07
4417	6.8	+19 5	7.5	7.41	2725,3473,3491	03,*22*,18
5272	6.8	− 8 23	7.0	7.22	3465,3766	08,*08*
3513	6.9	+43 39	7.2	7.14	3781,3801	02,*01*
3929	6.9	+30 29	6.8	6.78	4137,4163	09,*09*
5608	6.9	−12 54	6.0	*5.76*		. . A
3368	7.0	+44 43	7.0	*7.57*		A . .
4088	7.0	+21 35	6.0	*6.07*		. . A
4215	7.0	+14 21	7.1	7.48	3114,3117,3119	09,00,*10*
13920	7.0	−38 45	7.1	6.75	3117,3119,3477, 3481,3485,3497	02,27,*02*, 00,*10*,*17*
2336	7.1	+55 44	6.5	6.51	4136,4179	05,*05*
3980	7.2	+32 0	7.5	7.07	3866,4137	02,*02*
4081	7.2	+15 35	6.7	*7.14*		A . .
4398	7.2	+ 7 23	7.2	7.49	3114,3117,3119	*04*,*03*,07
1975	7.3	+61 47	6.8	6.57	3762,3772,3779	13,*11*,*01*
3370	7.3	+44 19	7.5	7.54	3781,3801	07,*07*
4046	7.3	+40 57	6.9	6.84	4163,4174	07,*08*
3653	7.3	+28 52	7.7	7.34	4203,4203,4208, 4208,4211,4211, 4542,4542,4544, 4544,4545,4545	02,*07*,*11*, *17*,06,00, 11,16,05, *16*,01,11
5403	7.3	− 6 40	6.8	6.87	3465,3766,4182	00,*03*,04
14220	7.3	−34 25	6.9	6.77	3119,3485,3804	09,*06*,*02*
3212	7.5	+49 31	7.3	7.83	3807,3855	*03*,03
3624	7.5	+42 47	7.3	7.51	3781,3801	*01*,01
4219	7.5	+15 4	7.3	*8.04*		A . .
4444	7.5	+ 0 34	6.9	*6.22*		11, . *11*
660	7.6	+79 24	6.5	6.58	4170,4189	*09*,10
3037	7.6	+47 56	6.4	6.64	3807,3858	06,*05*
3825	7.6	+26 31	5.8	5.79	3864,4163,4201, 4538	16,07,*13*, *09*
4817	7.6	− 3 18	6.5	6.91	3465,3766,4182	*03*,02,02
2185	7.7	+60 7	7.5	*7.91*		A . .
3826	7.7	+26 36	6.5	7.10	3864,3871	*27*,27
2787	7.8	+52 5	7.5	7.51	3855,3858,3859	*06*,06,*01*
3939	7.8	+38 31	7.5	7.96	3867,4163,4195, 4196,4201	16,*06*,*25*, 16,*02*
3827	7.8	+26 27	7.2	7.56	3864,3871	*10*,09
3828	7.8	+26 11	6.2	*5.93*		. . A
4087	7.8	+15 57	7.0	7.42	2742,2746	*15*,15
3940	8.0	+38 35	7.4	7.67	3867,4163,4195, 4196,4201	23,*09*,*01*, *05*,*06*
3942	8.0	− 0 38	7.6	6.67	3465,3766,4182	02,*10*,08
3941	8.1	+38 23	8.3	7.96	4195,4196,4201	02,09,*12*
3920	8.1	− 1 19	6.7	5.68	3465,3766,4200	*07*,*01*,09
3942	8.2	+38 24	8.2	8.24	4195,4196,4201	*08*,*02*,11
3908	8.2	+34 11	7.4	7.32	4137,4163	03,*04*
4075	8.3	+40 2	6.8	*7.02*		A . .
4149	8.3	+25 21	7.5	*7.36*		A . .
4089	8.3	+15 48	7.3	7.57	2742,2746,2747	10,00,*09*
4180	8.3	+11 33	6.3	*6.63*		. A .
4376	8.3	+ 8 49	8.5	8.68	3491,3494	07,*06*
2367	8.4	+57 5	7.4	7.46	3779,3858	*06*,07
3943	8.4	+38 32	9.4	9.56	4195,4196,4201	*18*,12,06
3821	8.4	+38 3	7.1	*7.44*		. A .
3946	8.5	+38 9	6.9	7.19	3867,4163	08,*08*
5372	8.5	−22 20	7.5	7.90	3810,3814	*16*,16
4313	8.8	+14 6	7.0	7.47	2742,2746	00,00

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1110	9.0	+68 19	7.4	7.02	3762,3772	03,*04*
3045	9.0	+47 26	7.5	6.73	3807,3858,4136	*02*,11,*10*
4082	9.0	+39 58	7.5	*7.47*		▲ . .
4096	9.0	+15 58	6.8	7.03	4186,4200	*04*,04
5411	9.0	− 6 21	7.5	7.30	3465,3766	06,*07*
14659	9.1	−27 20	6.2	5.76	3488,4173,4200	*21*,02,20
3935	9.3	+23 56	7.0	6.48	3860,3871,4114, 4507,4538,4539, 4542	*25*,10,39, *26*,27,*13*, *12*
5269	9.3	−11 12	7.5	7.51	3783,3802	*04*,04
3951	9.4	+38 40	8.8	8.94	4195,4196,4201	*06*,03,03
3952	9.4	+38 10	8.8	8.44	4195,4196,4201	*18*,00,18
4060	9.5	+40 25	7.5	*7.67*		▲ . .
4023	9.5	+35 18	7.3	*7.07*		▲ . .
5619	9.5	−13 42	7.0	7.11	3783,3802	*05*,05
5913	9.6	−17 9	7.3	7.76	3783,3802	*06*,05
3955	9.7	+38 35	9.2	9.68	4195,4196,4203	00,09,*09*
3956	9.7	+38 28	7.2	7.10	3867,4163,4195, 4196,4201	10,*23*,*04*, *05*,22
4109	9.7	+21 55	7.0	7.08	3841,3860	02,*03*
4227	9.7	+14 54	5.0	4.94	3473,3494,4200	07,*13*,05
17773	9.7	−30 19	6.5	6.49	3119,3120,3485	05,08,*12*
2796	9.8	+51 10	6.1	*6.20*		. . ▲
3958	9.8	+38 11	8.4	8.17	4195,4196,4201	*06*,*06*,13
4026	9.8	+36 2	7.0	7.12	3878,4163	03,*04*
1983	9.9	+61 47	5.8	5.74	3762,4170,4189, 4198	12,04,07, *21*
3960	9.9	+38 25	9.4	9.12	4195,4196,4201	*13*,11,03
4825	9.9	− 3 49	7.0	6.61	3465,3766,4165	11,01,*12*
14011	9.9	−36 46	6.5	6.60	3117,3119,3481, 3485,3497	06,20,*04*, *06*,*14*
5196	10.0	− 5 51	7.0	6.98	3766,3783,4182	*14*,05,09
14020	10.0	−35 31	6.5	6.46	3117,3119,3481, 3485	*20*,24,01, *03*
2193	10.1	+59 23	6.5	7.04	3779,3859,4136	*06*,11,*04*
2194	10.1	+59 19	7.5	7.74	3858,3859	*06*,05
2375	10.1	+57 5	7.4	7.78	3779,3858	00,00
4224	10.1	+10 11	7.0	*6.94*		28,*05*,*24*
5229	10.1	− 7 51	6.6	6.74	3766,3783,4182	07,*07*,*01*
2195	10.2	+59 51	7.4	*7.71*		▲ . .
2881	10.2	+46 31	5.0	4.97	3781,4136,4185, 4201	*10*,22,*01*, *10*
3948	10.2	+29 54	7.0	7.03	4163,4174	12,*12*
3675	10.2	+28 24	6.0	5.10	4163,4507,4538, 4539	07,*07*,10, *09*
3642	10.3	+43 4	6.4	6.25	3781,3801,4136	*17*,*03*,20
3963	10.3	+38 51	7.5	6.97	3867,4174,4195, 4196,4201	21,*05*,01, *19*,02
3949	10.3	+36 18	7.0	6.41	3878,3880,4174	00,08,*08*
4001	10.3	+31 41	7.0	7.38	3866,4137	*02*,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5545	10.3	−16 36	7.3	7.23	3783,3802	*07*,07
4115	10.4	+21 40	7.3	7.19	3841,3860	*03*,03
1235	10.5	+67 58	6.9	6.79	3762,3772,4170, 4185,4189	47,*17*,*19*, 01,*12*
2882	10.5	+46 26	4.0	4.02	3807,4136,4185, 4201	07,*19*,06, 04
2883	10.5	+46 23	7.5	6.94	3807,3858,4136	16,*04*,*13*
13715	10.5	−39 19	7.5	7.26	3481,3823,4157	01,18,*19*
4461	10.6	+ 9 51	7.5	*7.23*		09, . *09*
15843	10.6	−32 55	7.3	7.46	3485,3823,3829, 3859,4157,4165, 4173	14,44,02, *28*,*06*,*10*, *16*
4415	10.7	+ 7 30	7.3	7.21	2742,2746,2747	03,*07*,04
3958	10.8	+37 3	7.5	7.02	3878,4174	12,*11*
3955	10.8	+36 30	5.4	4.81	4174,4507,4538, 4539	15,09,*23*, 00
17449	10.8	−31 31	7.5	7.88	3119,3120,3823	02,*16*,13
3668	10.9	+41 48	6.2	6.42	3781,3801,3859	02,18,*19*
3959	10.9	+36 27	7.0	6.60	3878,3880,4174	07,*01*,*06*
4437	10.9	+18 10	8.0	7.63	2746,3473	14,*14*
5680	10.9	−12 39	6.8	*6.41*		. ▲ .
2311	11.0	+54 49	7.0	6.92	4179,4185	12,*11*
2368	11.0	+53 21	6.6	7.12	3855,3858	14,*15*
2657	11.0	+52 49	6.5	7.02	3855,3858	06,*05*
3028	11.0	+50 56	7.1	7.39	3855,3858	05,*05*
3757	11.0	+32 33	6.8	6.71	3866,4137,4174	*02*,05,*02*
4165	11.0	+25 17	5.2	*4.84*		02, . *01*
2376	11.1	+56 16	4.5	4.38	3775,3779,4179, 4185,4189,4517, 4539,4542	34,*36*,25, 04,21, T, *46*,00
4395	11.1	+ 4 17	6.5	6.59	4181,4186	11,*11*
5606	11.1	−15 29	7.3	7.76	3783,3802	11,*11*
3944	11.2	+23 12	5.5	*5.26*		. . ▲
5637	11.3	−18 44	7.2	7.18	3783,3802	02,*03*
3845	11.4	+37 23	7.4	7.30	3878,4174	*03*,03
2099	11.6	+60 20	6.0	*6.07*		. . ▲
3651	11.6	+42 36	7.3	7.72	3781,3801,3807	*05*,*13*,18
3827	11.6	+33 26	6.2	*5.77*		. . ▲
4838	11.6	− 3 48	7.2	6.91	3465,3766,4165	19,*03*,*16*
3666	11.7	+27 30	4.8	*4.67*		. . ▲
4079	11.8	+40 39	7.2	7.75	4174,4177	02,*02*
5550	11.8	−16 8	7.0	7.36	3783,3802,3804, 3810	*09*,*09*,15, 02
4130	11.9	+21 18	6.0	*6.16*		. . ▲
4132	12.0	+21 59	7.0	6.94	3841,3860,4114,	00,*15*,15
3113	12.1	+45 26	7.1	7.04	4136,4179	11,*10*
3541	12.1	+43 50	6.8	7.36	3781,3801	*01*,02
3540	12.1	+43 42	6.7	7.10	3781,3801	01,00
4133	12.1	+22 5	7.0	7.12	3841,3860	*01*,01
5683	12.1	−12 49	4.5	*4.68*		. . ▲

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
5384	12.1	−22	7	6.0	5.75	3130,4157,4200	01,*05*,04
3849	12.2	+26	11	7.5	7.28	3864,3871	*23*,23
4500	12.2	+21	6	7.0	7.06	3860,3871	*08*,08
4393	12.2	+8	38	6.7	*6.59*		. A .
764	12.3	+77	25	4.8	*4.41*		. . A
3059	12.3	+47	24	5.0	*4.25*		. . A
3543	12.3	+43	20	7.5	8.10	3781,3801	*15*,16
3668	12.3	+27	29	7.1	6.69	3864,3871,4163	*09*,06,02
5643	12.3	−18	34	7.5	7.44	3783.3802	02,*02*
5385	12.3	−22	18	7.8	7.64	3814,3823	*14*,13
3977	12.4	+38	35	6.5	6.14	3867,4174,4177,4195,4196,4201	18,*24*,*20*,*04*,13,16
4276	12.4	+18	3	7.8	7.72	2742,3114	*05*,05
4075	12.5	+24	22	6.0	*5.45*		*04*, . 04
5305	12.5	−8	22	7.0	7.39	3465,3766	00,00
5685	12.5	−12	51	3.8	*3.80*		. . A
2078	12.6	+58	38	7.0	7.31	3775,3779	06,*06*
4120	12.6	+15	33	7.2	*7.34*		A . .
2374	12.7	+53	51	7.0	7.46	3858,3859,4203,4203,4208,4208,4211,4211,4542,4542,4545,4545,4546,4546	10,*20*,00,*13*,*02*,08,12,01,*06*,*08*,*07*,*17*,33,14
2352	12.8	+55	21	7.0	6.70	4179,4185	13,*14*
3236	12.8	+49	55	6.3	6.30	4136,4179	07,*08*
3119	12.8	+45	16	6.2	*5.90*		22, . *22*
3978	12.8	+36	45	6.6	6.32	3867,3880,4174	*03*,*01*,05
4044	12.8	+35	58	7.5	6.98	4137,4174,4507	16,*23*,07
4047	12.8	+35	9	7.4	*7.17*		A . .
4018	12.9	+32	4	7.2	7.02	3866,4137,4174	*05*,03,01
4020	12.9	+31	12	6.5	6.83	3866,4137,4507	08,03,*11*
5216	12.9	−5	3	6.8	*7.35*		A . .
14848	12.9	−33	3	7.0	7.40	3119,3120,3485	14,*14*,00
1427	13.0	+64	27	6.9	*7.25*		A . .
15958	13.0	−24	13	7.5	7.78	3810,3814	*13*,14
2666	13.1	+52	12	7.3	7.32	3858,3859	05,*05*
3549	13.2	+43	18	7.4	7.82	3781,3801	02,*01*
4113	13.2	+39	23	7.5	7.65	3867,3880	23,*23*
4048	13.2	+35	38	7.5	7.53	4137,4174	*10*,10
17822	13.3	−29	57	7.5	7.37	3488,3814	01,*01*
2813	13.4	+51	41	7.5	7.29	3858,3859	*12*,12
3414	13.4	+45	1	7.5	*7.52*		A . .
4114	13.4	+40	3	5.4	*5.51*		01, . *01*
3695	13.4	+28	50	7.0	6.38	3864,3871,4163	00,*05*,05
15882	13.4	−32	3	7.5	7.21	3119,3804,3810	17,07,*24*
3552	13.5	+43	22	7.5	7.65	3781,3801	*05*,05
4475	13.5	+0	19	7.5	7.00	4181,4186	04,*03*
340	13.6	+85	28	7.5	*7.95*		A . .
5776	13.6	−19	26	5.7	*5.50*		02, . *02*
5684	13.6	−21	15	7.0	6.61	3130,3810,4157	*05*,07,*03*
4093	13.7	+40	17	7.0	*7.22*		A . .
4282	13.7	+18	1	7.5	7.77	2742,3114	10,*10*
14857	13.7	−32	55	7.2	7.06	3119,3120,3485	18,*10*,*09*
4115	13.8	+39	16	6.9	6.60	3867,3880	07,*07*
3867	13.8	+37	55	7.5	7.12	3867,3878	04,*04*
14697	13.8	−25	32	7.7	7.02	3488,3810	*01*,00
14287	13.8	−34	53	6.9	6.56	3119,3120,3485,3497,3810	08,*12*,12,05,*13*
4477	13.9	+0	16	8.9	*9.03*		A . .
451	14.0	+84	23	7.0	*6.61*		A . .
3670	14.0	+42	24	6.5	6.45	3781,3801,4136	09,13,*21*
3846	14.0	+33	46	7.8	7.43	4203,4203,4208,4208,4211,4211,4542,4542,4545,4545,4546,4546	*02*,*09*,04,*02*,02,*16*,01,08,*13*,*06*,20,08
4189	14.0	+25	20	7.3	6.69	4163,4177	02,*02*
4220	14.0	+17	2	7.0	6.97	2742,2747,4181	*20*,21,*01*
4255	14.0	+1	55	7.5	7.27	2742,2747	*06*,06
4147	14.2	+21	12	7.2	7.46	3860,3871	*03*,02
16980	14.2	−29	30	8.3	6.35	3130,4157,4200	00,*10*,09
16981	14.3	−29	30	7.3			
943	14.3	+72	34	6.8	7.11	3762,3772	00,00
2360	14.4	+55	44	6.9	6.86	4179,4185	04,*04*
4029	14.4	+31	48	7.0	7.24	3866,4137,4174,4177	26,05,*23*,*06*
14057	14.4	−35	59	6.8	6.59	3117,3119,3481	03,17,*21*
4355	14.5	+14	4	7.2	7.07	2742,2746	*20*,20
4103	14.6	+40	25	6.3	*5.82*		00, . 00
4517	14.6	+20	9	7.4	*7.35*		A . .
3951	14.6	−1	23	6.5	6.16	3465,3467,3766,3783	*05*,14,09,*18*
3952	14.6	−1	13	7.5	7.35	3465,3467,3766	*04*,16,*11*
5901	14.6	−19	57	7.5	7.06	4182,4183	*06*,07
3046	14.7	+50	50	7.3	7.67	3858,3859	*14*,14
3859	14.7	+26	40	7.0	6.74	3864,3873,4163	*16*,*04*,21
4356	14.7	+14	4	7.0	6.81	2742,2746,2747	*04*,06,*03*
3998	14.8	+36	41	6.1	*5.47*		. . A
3967	14.8	+34	40	5.4	*5.17*		. . A
4289	14.8	+12	56	5.6	*6.51*		. . A
4128	14.9	+15	13	7.7	*7.59*		A . .
14870	14.9	−33	3	7.5	7.57	3119,3120,3804,3810	27,09,*05*,*32*
3989	15.0	+29	11	7.2	7.20	3864,3873	*01*,02
5451	15.1	−6	40	6.3	6.90	3467,3758,4165	*03*,*02*,05
5642	15.1	−13	4	5.5	5.00	4182,4183,4200	03,*08*,04
13988	15.1	−41	4	7.0	7.21	3802,3802,3823,4545,4545,4546,4546,4554,4554	*18*,21,*24*,37,23,13,10,*26*,*38*
5626	15.2	−15	6	7.0	6.19	3101,4165,4183,4186	*47*,19,*03*,32

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5651	15.2	−18 28	7.5	7.58	3495,3783,4165	09,*15*,07
5653	15.2	−18 38	7.5	7.18	3495,3783,4165	*01*,03,*01*
14309	15.2	−34 47	7.5	7.75	3485,3497,3804, 3814	08,*10*,*02*, 03
13693	15.2	−36 55	7.5	7.24	3481,3497,4157, 4165,4173	04,*15*,01, 16,*08*
2379	15.3	+54 0	6.5	6.74	3858,3859,4179	19,*06*,*13*
4003	15.3	+38 41	6.8	6.73	3867,3878,4174	15,06,*22*
4360	15.3	+13 14	6.2	*5.96*		. . A
4225	15.4	+11 9	6.6	6.81	2723,2742,4181	*06*,13,*07*
5629	15.4	−15 6	3	3.16	3101,3495,3758, 4182,4200	*04*,05,*01*, 05,*03*
4006	15.5	+38 57	7.5	7.29	3867,3878	15,*15*
4033	15.5	+31 44	7.0	7.31	3866,4137	*05*,05
699	15.6	+81 55	7.5	*7.37*		A . .
945	15.6	+72 16	7.0	7.34	3762,3772	*01*,01
3139	15.6	+46 0	6.6	6.28	3781,3801,4201	*23*,08,16
4441	15.6	+ 7 18	7.5	7.45	2723,2747	10,*10*
5305	15.6	−11 18	6.5	6.82	3101,3495,4182	*01*,*05*,07
3992	15.7	+29 24	6.8	6.66	3864,3873,4163	*22*,*01*,24
4137	15.7	+15 13	7.0	6.80	4181,4186	02,*03*
4263	15.7	+14 16	6.7	6.40	4181,4186	21,*21*
R	15.7	−42 21	. .	5.52	3780,3842,4114, 4211,4506,4522, 4542,4554	*10*,*07*,10, *18*,34,*41*, 46,*13*
4294	15.8	+17 29	6.2	6.03	3491,4181,4186, 4200	01,03,05, *09*
5455	15.8	− 6 40	7.3	7.56	3467,3758	*04*,05
2329	15.9	+55 5	6.0	5.64	3855,3858,4201	12,*02*,*09*
4008	16.1	+36 48	7.0	6.47	3878,4174,4180	05,*09*,05
2086	16.2	+58 30	7.5	7.43	3775,3779,3858	17,*23*,06
3566	16.2	+43 10	7.4	7.40	3781,3801	11,*12*
4121	16.2	+40 49	7.4	6.97	3878,3880,4174	*04*,06,*03*
5406	16.3	−22 16	7.3	7.42	3814,3823	*05*,04
1281	16.4	+66 31	6.2	*6.00*		. . A
3703	16.4	+41 16	7.3	7.77	3781,3801	07,*07*
4164	16.4	+21 58	7.0	6.98	3860,3871,4114	*18*,*04*,23
4042	16.5	+31 42	7.2	7.40	3866,4137	*08*,08
5575	16.5	−15 56	7.2	7.68	3101,3495	04,*04*
3429	16.6	+45 2	7.0	*7.02*		A . .
4021	16.6	+39 5	6.8	6.07	3779,3802,3804, 3807,3867,3878, 4203,4203,4208, 4208,4211,4211, 4539,4539,4545, 4545,4546,4546	01,*09*,*04*, *13*,17,04, 15,19,*04*, *15*,14,*08*, *01*,*15*,01, *03*,12,*04*
4268	16.6	+14 48	6.5	6.54	4181,4186	04,*03*
4268	16.6	+ 1 21	7.5	7.42	2723,2742	00,*01*
14080	16.6	−35 41	7.0	6.90	3117,3120,3481	04,07,*11*
2910	16.7	+46 31	6.5	*6.23*		. . A
17009	16.8	−29 28	8.2	8.16	3488,3810	18,*18*
14890	16.8	−33 22	8.0	7.88	3119,3120,3804	04,05,*10*
3571	17.1	+43 32	7.5	6.83	3781,3801,4136	12,01,*12*
4508	17.1	+ 6 51	7.1	7.60	2723,2746	05,*06*
R	17.1	−42 44	. .	5.52	3780,3842,4211, 4554	10,07,*09*, *10*
1430	17.2	+64 32	7.4	7.73	3762,3772	00,00
4028	17.2	+22 32	7.2	6.75	3860,3871,4114	*03*,00,04
4371	17.2	+13 16	7.2	7.37	2723,2746	*10*,10
5445	17.2	− 9 8	7.5	7.92	3467,3758	06,*05*
14086	17.3	−35 27	7.5	7.41	3120,3481,3497	19,*05*,*13*
3998	17.4	+30 16	7.4	*6.76*		A . .
5245	17.4	− 5 24	8.0	7.76	3467,3758	02,*01*
5660	17.4	−18 39	7.5	7.80	3101,3495	04,*04*
14766	17.5	−27 3	7.4	7.26	3488,3810	15,*15*
5369	17.6	− 9 58	6.3	*6.34*		A . .
3986	17.7	+24 7	6.1	5.44	3860,4163,4201	*16*,22,*05*
3576	17.8	+43 16	7.4	7.58	3781,3801	*05*,04
5732	17.8	−14 34	7.0	6.69	4182,4183	*12*,12
2384	17.9	+53 16	6.5	6.38	3855,3858,4179	04,*05*,01
4237	17.9	+16 36	8.0	7.52	4203,4203,4208, 4208,4211,4211, 4539,4539,4545, 4545,4546,4546	*07*,*07*,00, 05,*04*,*11*, 15,09,00, *17*,15,05
2000	18.0	+61 56	5.8	*5.67*		. . A
4244	18.0	+12 8	7.2	6.88	2723,2747,4181	07,*23*,15
17876	18.0	−30 48	7.3	7.89	3804,3810,3814	15,*29*,15
668	18.2	+79 20	7.0	*7.06*		. . A
4275	18.2	+14 13	5.8	*6.17*		. . A
4434	18.2	+ 5 1	5.5	*5.41*		09,*03*,*07*
3991	18.2	− 0 47	7.3	7.14	3467,3758,3766	*07*, R ,08
1115	18.3	+70 28	7.5	*7.24*		A . .
4215	18.3	+25 58	7.3	7.10	3864,3873	*08*,07
4389	18.3	+19 31	7.5	7.17	2723,2742	00,00
5253	18.3	− 5 35	6.8	6.82	4182,4183	*04*,04
2848	18.4	+52 5	7.5	7.50	3855,3858	24,*24*
4136	18.5	+40 48	6.5	6.48	3801,3878,3880	07,*03*,*03*
4391	18.5	+20 0	7.7	7.83	2735,3491	04,*04*
17039	18.5	−29 24	7.0	6.93	3488,3814,4157	*17*,10,06
4159	18.6	+39 56	2.8	*2.33*		. . A
3995	18.6	+34 40	7.2	6.72	4137,4174	17,*18*
4005	18.6	+30 56	6.5	6.06	3866,4507	*16*,16
14990	18.6	−26 9	7.1	6.94	3488,3810,4157	04,*15*,12
4056	18.7	+31 13	7.0	7.18	3866,4137	*04*,05
4278	18.7	+15 3	7.0	*7.09*		A . .
4508	18.7	+10 2	7.0	6.84	4181,4186	09,*09*
5734	18.7	−14 26	7.3	7.03	4182,4183	*09*,09
3152	18.9	+45 27	5.8	5.93	3830,4136,4201	25,*18*,*07*
17891	19.1	−30 18	7.5	7.48	3804,3810,3814, 4157,4165,4173	26,*36*,08, *02*,*08*,13

20^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4141	19.2	+40 42	6.0	6.17	3801,4174,4180,4201	10,*06*,*11*,07
3067	19.3	+50 14	6.7	*7.22*		▲ . .
4051	19.3	+38 54	7.0	6.62	3867,3880,4174	28,*14*,*15*
4148	19.3	+15 43	6.8	6.61	4181,4186	13,*13*
5809	19.3	−19 45	7.0	6.94	4182,4183	*03*,02
17049	19.3	−28 59	6.1	5.85	3501,4157,4200	23,*17*,*07*
3721	19.4	+42 40	6.3	6.33	3807,3830,4136	*20*,33,*14*
5457	19.4	− 9 5	7.0	7.04	3467,3758	*07*,07
4495	19.5	+ 0 45	6.5	*6.12*		11, . *11*
1121	19.6	+68 34	6.0	5.93	3096,3769,4170,4185,4198	*06*,*08*,16,10,*11*
4503	19.6	+ 5 10	7.3	*7.21*		▲ . .
4496	19.6	+ 1 2	6.9	*6.81*		▲ . .
14362	19.6	−33 57	7.7	7.77	3120,3477,3497	14,*06*,*09*
4150	19.7	+40 26	7.4	*7.05*		*08*, . 08
5721	19.7	−12 1	7.7	7.37	3101,3783	14,*14*
1618	19.8	+63 41	5.9	6.00	3769,4170,4185,4198	*02*,*05*,06,03
1807	19.8	+63 7	6.8	7.33	3762,3772	19,*19*
4426	19.8	+ 8 17	6.9	*6.62*		. ▲ .
4062	19.9	+31 52	5.0	4.54	3866,4137,4201	*08*,05,03
2339	20.0	+54 37	7.3	7.46	3826,3855	*18*,17
3916	20.0	+37 10	6.0	*5.63*		. . ▲
4152	20.0	+15 50	7.3	7.22	2723,2727	05,*04*
4051	20.1	+36 43	6.8	6.67	3867,3878,4174	07,*14*,07
3735	20.1	+28 41	7.4	7.23	3873,4163	03,*03*
4004	20.1	+23 58	7.5	6.96	3860,3871,4163	*09*,09,01
650	20.2	+80 13	6.8	*6.79*		*02*, . 02
1436	20.2	+64 23	7.5	7.73	3762,3772,3772	10, R ,*10*
4429	20.2	+ 8 53	7.2	7.60	2723,2727	05,*05*
4462	20.2	+ 7 10	7.5	7.65	2723,2727	*10*,10
15959	20.2	−32 39	7.3	7.32	3120,3804,3810	*04*,19,*16*
17069	20.4	−29 24	7.1	7.10	3488,3810	*04*,05
13741	20.4	−37 43	6.7	6.35	3120,3477,3481	04,00,*03*
2341	20.5	+54 21	6.7	6.60	3826,3855	03,*02*
4228	20.5	+25 49	7.5	7.15	3864,3873	*03*,03
4467	20.5	+ 7 33	7.5	7.90	2723,2727	15,*15*
4522	20.5	+ 6 20	7.0	*6.61*		. ▲ .
4888	20.5	− 3 7	6.3	6.30	3467,3758,3766,4182	*11*,06,05,*01*
5663	20.5	−15 18	7.4	7.54	3101,4182	*02*,01
17584	20.5	−31 0	7.5	7.51	3120,3804,3810	04,12,*17*
4203	20.8	+21 10	6.9	7.09	3860,3873,4163	*21*,*05*,27
5975	20.9	−17 42	6.8	7.09	3101,3495	19,*19*
4526	21.0	+ 9 45	6.5	*6.46*		03,03,*06*
4172	21.2	+39 50	7.5	6.98	3867,4180	*04*,04
4559	21.3	+21 6	5.6	5.84	3873,4163,4201	06,12,*18*
4390	21.3	+13 35	6.5	6.52	2723,2727,4166	15,06,*21*
4164	21.3	+ 2 38	7.4	6.64	2723,2727,4166	*02*,08,*07*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
17081	21.3	−29 8	7.3	7.18	3488,3810	08,*08*
4293	21.4	+14 38	7.3	7.68	2723,2727	*11*,10
4408	21.5	+19 31	6.3	6.48	4166,4181	*23*,23
5685	21.6	−18 32	5.4	5.13	3101,3495,4200	*09*,15,*07*
17597	21.6	−31 11	6.6	6.73	3120,3136,3501	*01*,*08*,08
2397	21.8	+53 14	6.2	6.45	3826,3855,3858,3859	05,*23*,*01*,19
4178	21.8	+39 28	7.5	7.30	3867,3873	*05*,04
3742	21.9	+41 35	6.9	6.92	3807,3830,4136	15,02,*18*
4259	21.9	+17 1	6.5	6.17	2723,2735,4166	00,00,01
4900	21.9	− 3 17	8.7	8.45	3467,4182,4183,4186	*01*,02,09,*10*
17089	21.9	−29 42	7.0	7.28	3488,3810	14,*13*
3740	22.0	+42 17	6.9	6.79	3807,3830,4136	22,*03*,*19*
15036	22.0	−25 56	6.6	6.56	3130,3488,4157	*04*,07,*03*
2344	22.1	+55 7	6.9	*7.26*		▲ . .
2346	22.2	+54 41	7.3	*7.46*		▲ . .
14406	22.2	−34 44	7.0	6.88	3136,3804,3810	16,*01*,*14*
3982	22.3	− 1 53	7.7	7.04	3467,3766	10,*11*
5283	22.3	− 2 26	7.0	6.64	3467,3766,4182	04,00,*04*
13762	22.3	−37 11	7.5	7.80	3477,3481,3497	00,23,*22*
4164	22.4	+41 1	7.5	7.66	3873,3878	*05*,06
14166	22.4	−35 55	6.3	6.11	3095,3136,3481	07,05,*13*
4186	22.5	+40 5	7.3	6.56	3878,3880	05,*05*
5487	22.5	− 5 59	7.3	7.13	3766,3783	08,*08*
16056	22.6	−24 29	7.2	6.94	3130,3497,4157	*05*,11,*07*
4165	22.8	+41 3	7.4	7.45	3873,3878	*17*,17
4571	22.8	+20 9	6.8	6.74	4163,4180	01,00
16058	22.8	−24 19	6.9	6.88	3130,3497,4157	*09*,11,*02*
4038	22.9	+30 3	7.5	*7.21*		▲ . .
2228	23.0	+59 17	6.4	6.44	4179,4185	*04*,05
2348	23.0	+54 22	7.3	7.24	3826,3855	*11*,10
4192	23.0	+39 10	7.2	7.16	3867,3873	06,*05*
4023	23.1	+23 28	7.5	6.84	3860,3871,4163	04,01,*06*
5473	23.1	− 9 42	7.0	*7.08*		▲ . .
5738	23.1	−12 7	7.4	7.38	3783,3802	07,*08*
5609	23.1	−16 4	6.0	*6.45*		. 02,*02*
2231	23.2	+59 41	7.5	*7.26*		▲ . .
4477	23.2	+ 8 7	6.5	*6.26*		. *07*,08
4906	23.2	− 3 41	6.4	6.08	3467,3468,3469	14,*06*,*07*
5689	23.2	−18 9	5.1	4.99	3101,3495,4200	29,*26*,*03*
5729	23.2	−21 14	6.5	6.79	3130,3810,4157	07,*09*,02
3910	23.3	+34 0	6.7	6.41	3866,3873,4137	14,*08*,*05*
4175	23.3	+ 2 36	6.8	6.35	2723,2735,4166	*03*,15,*12*
5739	23.3	−12 3	7.5	7.27	3101,3783	04,*04*
5992	23.3	−17 46	7.3	6.78	3101,3495,4182	*10*,03,08
5691	23.3	−18 12	7.3	6.69	3101,3495,4182	*01*,*10*,11
4910	23.4	− 3 17	9.4	9.87	3477,3481,3485,3488,4224,4224,4225,4225,4228,	*17*,06,*32*,*03*,06,19,*21*,*12*,*48*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4228,4542,4544, 4545,4545,4546, 4546	04,*10*,*07*, 30,11,68, R
4515	23.5	+ 0 38	7.5	*7.23*		A . .
5286	23.6	− 2 4	7.3	6.85	3467,3469,4182	07,00,*08*
5442	23.6	−22 43	6.2	*6.22*		. . A
2234	23.7	+59 51	7.3	*7.36*		A . .
3095	23.7	+50 47	7.3	7.50	3826,3855	03,*03*
4505	23.7	+18 28	7.5	6.85	2723,2735,4166	22,02,*24*
3752	23.8	+42 50	7.3	7.50	3807,3830	04,*03*
4221	23.8	+21 49	7.2	7.18	3860,3871	*11*,12
3941	23.9	+38 7	6.0	5.35	3880,4180,4201	*13*,01,12
4419	23.9	+19 47	6.5	6.68	4166,4181	*22*,22
2421	24.0	+56 19	6.6	6.21	3826,4185,4201	*13*,*03*,15
3128	24.0	+49 3	6.0	5.78	3830,3852,4201	10,*13*,04
5680	24.0	−12 55	7.5	7.50	3101,3783	06,*07*
3758	24.1	+41 42	7.0	7.24	3807,3830	*22*,21
5831	24.1	−18 55	7.1	*5.59*		. . A
3754	24.2	+42 44	7.5	7.54	3807,3830	05,*04*
3914	24.2	+33 33	7.2	6.88	3866,3873,4183, 4183	06,*10*, R, 05
462	24.4	+84 14	7.0	*7.16*		A . .
4348	24.4	+12 21	7.3	6.87	2723,2735,4166	*02*,07,*06*
4918	24.4	− 3 13	5.5	5.17	3468,3468,3469, 3766,3783	*15*,*16*,07, 24,02
463	24.5	+84 49	7.2	*7.11*		A . .
4171	24.5	+15 55	7.5	7.27	2723,2735	*10*,10
5684	24.7	−13 21	7.5	8.10	3101,3783	*14*,14
739	24.8	+75 43	7.3	*8.02*		A . .
1292	24.8	+66 49	7.3	7.88	3762,4170	*07*,07
4102	24.8	+39 0	7.4	7.11	3867,3873	*04*,04
4179	24.8	+ 2 40	7.3	7.01	2723,2735	*09*,09
17122	24.8	−29 27	6.5	6.14	3100,3130,4157	*07*,*09*,17
4423	24.9	+19 45	6.5	6.32	4166,4181	*13*,13
5738	24.9	−21 3	7.0	7.12	3100,3130	*18*,17
5748	25.0	−12 34	8.5	8.12	3758,4542	*01*,02
5617	25.1	−16 6	7.0	7.02	3101,3495	20,*21*
4551	25.2	+ 9 58	6.8	*6.79*		A . .
5291	25.2	− 5 43	8.2	7.72	3469,3783	*03*,04
4057	25.3	+30 2	4.2	*4.07*		*01*, . 01
3133	25.4	+48 35	6.8	6.63	3807,3852,4136	06,12,*18*
3191	25.5	+45 23	7.5	*7.32*		A . .
4141	25.5	+36 7	6.2	5.85	3867,3880,4201	06,*10*,05
4303	25.5	+10 34	5.8	6.03	3494,4166,4200	04,03,*06*
5696	25.5	−15 23	6.3	*6.20*		00, . 01
3117	25.6	+47 17	7.2	7.24	3807,3852	*08*,09
4426	25.6	+19 20	6.5	6.82	4166,4181	07,*06*
4515	25.6	+19 6	7.6	6.99	3491,3494,4166	01,*08*,07
1126	25.7	+68 59	7.0	7.30	3762,3772	08,*07*
4517	25.7	+19 5	7.0	6.59	2723,2735,4166	*02*,08,*07*
16732	25.7	−28 24	7.3	7.70	3488,3810,4203	*04*,*16*,19
3137	25.8	+48 56	7.4	7.28	3807,3852	*05*,04
2240	25.9	+59 24	7.4	7.70	3775,3779,3826	22,02,*24*
4095	26.0	+36 39	7.5	7.72	3867,3873	11,*12*
3768	26.2	+27 30	7.3	6.90	3864,3871,4163	*13*,18,*05*
3291	26.3	+50 8	7.1	*7.37*		A . .
14851	26.4	−25 12	7.5	7.20	3100,3130	05,*04*
4602	26.5	+20 16	6.1	*6.00*		00, . 01
4181	26.5	+15 27	6.5	6.87	4166,4181	*09*,09
4807	26.5	+10 57	6.5	6.46	3494,4166,4200	06,*07*,00
17657	26.5	−31 43	7.5	7.51	3485,3497,3804, 3810	23,*14*,17, *26*
17144	26.6	−28 56	7.0	7.05	3100,3481,3485	*24*,17,08
1466	26.7	+65 25	6.3	6.63	4170,4185	*03*,03
3196	26.7	+45 36	6.5	6.46	4136,4179	*02*,01
1129	26.8	+68 27	7.2	7.24	3491,3772,3779, 3807,4170,4185, 4189	21,12,*19*, 16,*10*,*01*, *22*
4356	26.8	+ 4 5	7.2	7.06	2723,2735	06,*06*
5299	26.8	− 5 35	6.8	6.69	3467,4182,4183	*02*,*07*,08
6014	26.8	−16 57	7.0	7.11	3101,3495,4542, 4544,4545	*23*,*03*,05, 19,00
4206	26.9	+40 10	7.1	*7.52*		A . .
14854	26.9	−25 17	6.4	6.20	3100,3130,4157	*05*,*04*,08
2411	27.0	+55 44	6.0	*5.87*		*11*, . 11
3142	27.0	+48 37	4.9	4.83	3807,4136,4185	*02*,*02*,04
5423	27.0	−10 12	6.2	*5.87*		*01*, . 01
R	27.0	−44 51	. .	5.42	4522,4544,4554, 4554	*13*,30,08, *23*
3768	27.1	+43 8	7.5	7.40	3807,3830	*07*,08
4247	27.1	+21 34	6.5	6.85	3860,3871,4163	*11*,17,*07*
2421	27.2	+58 22	7.3	7.98	3775,3826	10,*09*
3630	27.2	+43 59	7.0	7.15	3807,3830	03,*03*
4105	27.2	+36 36	6.5	*6.30*		. A .
3298	27.3	+49 27	6.9	6.68	4136,4179	*23*,23
4288	27.3	+16 39	7.5	7.12	2723,2735	05,*05*
4309	27.3	+ 1 53	8.2	*7.51*		. . A
4310	27.3	+ 1 47	7.5	*6.71*		. . A
4219	27.4	+40 5	7.2	*7.47*		A . .
4211	27.5	+40 31	7.1	*7.47*		A . .
3849	27.5	+32 46	7.2	7.12	3866,3873	02,*01*
2362	27.6	+54 20	7.3	7.38	3775,3826,4179, 4185,4189,4539, 4542,4544	39,*30*,08, *07*,*13*,*02*, *11*,19
2880	27.6	+51 58	7.1	7.42	3775,3826	06,*05*
4074	27.6	+29 55	7.5	*7.31*		A . .
4525	27.6	+18 17	7.4	7.22	2720,2723	*14*,15
4187	27.6	+15 34	7.5	*7.54*		A . .
4221	27.7	+39 36	7.4	7.80	3866,3867	05,*05*
3938	27.7	+34 0	7.0	6.51	3866,3873,4180	*11*,*06*,18

20$^{\text{h}}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
4272	27.7	+25 28	6.0	6.23	3864,4163,4201	08,01,*09*						4225,4225,4228,	*10*,05,*38*,
17159	27.7	−29 38	7.0	6.78	3100,3130,4157	*11*,07,05						4228,4542,4544,	*17*,*03*,03,
3148	27.8	+48 52	7.5	6.54	3807,3852,4136	*17*,12,06						4545,4545,4545,	*05*,02,20,
4093	27.8	+22 29	7.0	6.57	3860,3871,4163	*25*,09,16						4551,4551,4554,	18,*14*,15,
4611	27.8	+20 31	7.0	*7.27*		A . .						4554,4561,4561	07,21,*04*
1821	27.9	+62 39	4.0	4.25	3096,3465,3477,	*08*,*15*,07,	2444	29.3	+56 26	6.3	*6.33*		. . A
					3481,3485,3491,	30,*12*,12,	3136	29.3	+47 53	7.5	6.82	3807,3852,4136	12,04,*16*
					3497,3499,3501,	21,06,16,	4080	29.3	+29 11	7.5	7.50	3860,3864	00,01
					3503,3753,3762,	00,07,*16*,	3503	29.4	+44 39	7.3	7.50	3807,3830	*20*,21
					3769,3772,3779,	*42*,15,*05*,	3778	29.4	+42 51	6.5	6.41	3807,3830,4136	*10*,13,*02*
					3801,3823,3829,	*11*,17,03,	3799	29.4	+41 32	6.7	7.04	3807,3830,3852	02,*06*,03
					3830,3836,3841,	20,*32*,*05*,	*4225*	29.4	+41 7	7.0	7.08	3867,3873	04,*04*
					3842,3843,3852,	08,*15*,*07*,	*3860*	29.4	+33 2	7.5	8.06	3866,3873	09,*09*
					3864,3867,3871,	32,26,20,	4355	29.4	+17 51	6.7	7.32	2720,2723	*04*,05
					3873,3878,4114,	13,23,12,	3862	29.5	+32 34	7.5	7.08	3866,3873	09,*10*
					4137,4138,4170,	02, R,00,	4201	29.5	+15 29	7.5	*7.69*		A . .
					4173,4180,4183,	*02*,*02*,00,	2433	29.6	+58 49	7.0	7.48	3775,3826	10,*09*
					4186,4187,4189,	*14*,*20*,*05*,	4576	29.6	+ 6 33	6.8	*6.86*		. A .
					4192,4193,4195,	24,*09*,*15*,	4629	29.7	+20 38	6.2	6.29	3873,4163,4201	*22*,09,12
					4196,4198,4206,	*05*,16,*10*,	2254	29.8	+59 44	7.5	*7.56*		A . .
					4208,4522,4523,	*09*,*26*,*04*,	*6027*	29.9	−16 52	6.2	6.18	3494,4182,4183	*06*,*09*,14
					4538,4539,4544,	*13*,*37*,04,	16134	29.9	−24 48	7.5	7.66	3481,3485	09,*10*
					4545,4551,4554,	*09*,22,*11*,	14911	29.9	−27 7	7.0	7.03	3100,3130	*02*,02
					4561	12	*2257*	30.0	+60 6	6.8	*7.11*		A . .
5521	28.1	− 6 33	7.3	7.32	3467,3469	*01*,00	2744	30.0	+52 41	7.4	7.65	3775,3826,3855	*10*,*09*,18
3154	28.2	+48 53	5.9	5.50	3852,4136,4185,	*16*,*02*,01,	3310	30.0	+49 29	6.7	6.74	3807,3843	*06*,06
					4201	16	4079	30.0	+34 54	5.4	*4.93*		. . A
4291	28.2	+16 25	7.2	6.71	2720,2723,4166	07,06,*13*	*4383*	30.1	+13 8	7.2	7.32	2720,2723	*04*,05
2207	28.3	+57 56	7.3	7.58	3775,3779,3826	04,07,*12*	*5528*	30.1	− 5 52	8.0	7.64	4201,4201	*17*,16
4321	28.4	+10 58	3.8	*3.91*		. *11*,11	4081	30.2	+34 20	7.2	6.62	3866,3873,4180	14,*32*,17
14108	28.4	−38 26	6.7	6.36	3095,3136,3481	*09*,09,00	3505	30.3	+44 50	7.0	6.52	3830,4136	05,*05*
2882	28.5	+51 58	6.0	6.40	3775,3826,4201	08,*10*,02	3805	30.3	+41 25	6.2	6.43	3807,3830,3852	04,*08*,03
5766	28.5	−12 41	7.0	6.96	3101,3766,4182	*05*,*19*,24	957	30.4	+72 12	6.3	*6.34*		. . A
3928	28.6	+26 52	7.1	7.13	3871,4163	04,*04*	*2435*	30.4	+54 6	6.8	7.06	3775,3826	09,*10*
5781	28.6	−14 4	6.0	6.14	3783,4182,4183	*10*,*05*,15	13829	30.4	−37 44	7.5	7.39	3095,3481,3488	11,*15*,05
18013	28.6	−30 49	6.4	6.41	3095,3136,3481	*03*,07,*05*	675	30.5	+79 52	7.3	*7.42*		04,*09*,05
706	28.7	+82 2	7.4	*8.10*		A . .	2746	30.6	+52 27	7.5	7.64	3775,3826	08,*09*
14896	28.7	−27 34	7.4	7.81	3481,3485	*02*,02	2977	30.6	+46 21	6.0	5.71	3830,3843,4198	*04*,04,*01*
4253	28.8	+21 49	7.5	7.74	3860,3871	00,*01*	3978	30.6	+37 31	7.5	7.40	3866,3878	*02*,01
4486	29.0	+ 4 34	6.8	6.60	4166,4181	*05*,05	4353	30.6	+14 20	4.5	*4.68*		. 02,*01*
4579	29.1	+ 9 43	7.5	6.45	4193,4193,4198,	*28*,*15*,12,	4584	30.6	+ 6 36	7.2	*6.51*		. A .
					4198,4202,4202,	04,16,*10*,	2374	30.7	+54 27	7.0	7.02	3775,3826	09,*10*
					4539,4539,4545,	*07*,*06*,*02*,	3865	30.7	+32 10	6.7	6.83	3866,3873,4180	07,*06*,*02*
					4545,4546,4546	14,08,18	*5768*	30.7	−20 56	6.8	7.29	4157,4165,4173	*07*,17,*11*
4378	29.2	+12 41	6.0	*5.25*		. *02*,02	*3786*	30.8	+43 1	7.4	7.04	3807,3843	*02*,03
5523	29.2	− 6 11	8.6	8.52	3467,3469,3477,	*12*,21,*16*,	5778	30.8	−12 44	6.8	7.04	3101,3494	07,*08*
					3481,3485,4193,	15,*07*,*02*,	*1449*	30.9	+65 2	6.8	6.78	4170,4185	01,00
					4193,4202,4202,	02,*15*,00,	2749	31.0	+52 29	7.3	7.24	3826,3855	*14*,14
					4208,4208,4211,	*03*,*21*,00,	4240	31.0	+40 45	6.5	6.98	3866,3867	*06*,05
					4211,4224,4224,	*05*,09,19,	17199	31.1	−29 4	7.5	7.96	3481,3488	13,*13*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3317	31.2	+49 25	7.3	7.33	3843,4136,4539,4542,4544	04,R,11,*14*,*02*
3814	31.4	+41 22	7.2	7.36	3807,3830	02,*03*
5713	31.4	−13 5	7.8	7.63	3101,3494	*17*,17
4961	31.5	− 2 54	5.4	5.14	4173,4539,4542	*11*,07,04
3166	31.6	+48 50	7.4	7.04	3807,3843	06,*05*
4315	31.7	+16 28	7.0	6.67	2720,2723,2735	*09*,00,10
5732	31.7	−15 30	6.8	6.84	4173,4182	*07*,06
3662	31.8	+44 3	7.4	7.23	3807,3843	21,*21*
3818	31.8	+41 32	6.7	6.53	3807,3830,4136	18,03,*22*
4299	31.8	+25 34	7.2	*6.29*		07,*06*,*02*
4472	31.8	+ 8 14	7.5	8.14	2723,2748	01,00
2895	31.9	+51 31	6.3	6.26	3775,3826,4179	15,*12*,*04*
5484	31.9	−22 48	7.8	7.13	3100,3130	*09*,09
14920	31.9	−25 28	6.6	6.26	3100,3130,4157	*06*,*04*,10
18059	31.9	−30 55	7.5	7.97	3481,3488,3497	07,06,*13*
17736	31.9	−31 20	7.3	7.44	3095,3481,3488,3497	11,*11*,*11*,09
2028	32.1	+61 25	7.3	6.90	3096,3491,4170	*23*,22,00
6039	32.1	−17 28	7.2	6.96	3494,3495,4173	06,*01*,*06*
17740	32.1	−31 18	7.5	7.66	3136,3481,3488	*21*,12,10
1126	32.2	+70 11	6.8	6.65	4170,4185	*08*,08
4056	32.2	− 0 15	6.6	6.05	4173,4182	*01*,01
16161	32.2	−24 35	6.8	6.71	3100,3130,4157	04,*05*,02
5379	32.5	−11 23	7.0	7.02	3494,3495	*01*,01
14516	32.5	−34 2	7.5	7.26	3488,3497,3783	17,*01*,*15*
3321	32.6	+50 4	7.4	*7.87*		A . .
5782	32.7	−21 21	6.8	7.32	3100,3130	07,*06*
872	32.8	+74 37	5.5	*5.27*		. . A
4246	32.8	+40 42	7.5	7.94	3867,3871	*05*,05
4302	32.8	+26 7	6.0	*5.40*		. . A
4154	32.9	+32 0	7.1	7.26	3866,3866,3871	12,*05*,*08*
4369	32.9	+14 15	3.5	*3.75*		. 02,*02*
5204	32.9	− 4 44	6.8	*7.25*		A . .
16816	32.9	−28 47	7.5	7.73	3488,3804,3814	*01*,04,*02*
4339	33.0	+11 2	5.0	*5.50*		. 10,*10*
657	33.1	+81 6	7.5	*6.93*		A . .
4405	33.2	+12 46	7.5	7.50	2720,2735	*14*,14
4016	33.2	− 1 27	4.7	4.57	3467,4182,4200	*13*,25,*12*
4150	33.3	+36 14	7.4	7.43	3866,3867	*03*,03
4158	33.4	+31 42	7.5	7.66	3871,3873	24,*23*
4159	33.4	+31 13	6.2	*6.20*		. . A
4370	33.4	+17 55	7.0	6.27	2720,2735,3501,3503,3766,3766,3810,3810,3810,3830,3830,3830,3841,3855,3855,3855,3857,3857,3857,3859,3859,3859,3864,3864,3864,3866,3866,3866,3871,3871,3871,3873,3873,3873,3878,3878,3878,4198,4198,4200,4200,4201,4201,4539,4539,4545,4545,4546,4546	*09*,00,*07*,R,23,01,*33*,*28*,*27*,*26*,00,*06*,25,15,29,09,14,05,*01*,*12*,*09*,12,*04*,04,*06*,31,18,14,04,07,00,*22*,*18*,04,*13*,*39*,*37*,01,12,21,24,*03*,05,*10*,*18*,21,08,15,01
6046	33.4	−16 55	7.8	7.12	3494,3495	03,*03*
4160	33.5	+81 10	6.4	*6.37*		. . A
5421	33.5	− 8 45	7.3	7.67	3469,3494	08,*08*
14315	33.5	−36 23	7.3	7.18	3095,3497,3810,4157,4165,4173,4544,4545,4546,4546	13,*24*,42,*13*,*17*,*47*,56,*04*,*06*,*05*
4002	33.6	+37 58	6.0	6.32	3866,4180,4200	00,*01*,02
5743	33.7	−15 18	5.3	*5.22*		06, . *05*
3332	33.8	+49 33	7.2	7.16	3843,4136	*05*,06
4251	33.8	+41 2	7.3	7.82	3867,3871,4180	T,09,*10*
3883	33.8	+33 1	7.0	7.05	3866,3871	*13*,13
5335	33.8	− 5 17	6.5	6.68	4173,4182	*01*,02
3803	33.9	+42 38	7.2	7.06	3807,3852	04,*05*
16830	33.9	−28 4	7.3	7.63	3804,3814	*03*,03
14323	33.9	−36 9	7.1	7.46	3095,3497,3810	*02*,*15*,16
5328	34.0	− 2 46	6.9	*6.23*		. . A
4108	34.1	+30 13	7.2	*7.46*		A . .
4658	34.1	+20 51	4.7	4.82	3833,4163,4200	19,*18*,*01*
4411	34.1	+12 58	5.5	*6.04*		. 16,*15*
15119	34.1	−38 47	5.8	5.59	3095,3108,3477,3485,3494,3497,3753,3766,3783,3804,3810,3829,4157,4165,4173,4189,4523,4538,4542,4551,4561	09,02,*08*,*18*,*06*,02,08,02,*05*,02,22,14,*07*,*14*,*05*,R,*20*,*26*,19,26,07
4084	34.2	+23 46	5.8	*5.00*		. . A
4085	34.3	+23 19	6.8	*6.00*		. . A
4600	34.3	+ 9 44	5.5	*5.30*		. 05,*06*
4064	34.3	+ 0 8	5.4	*5.36*		02, . *01*
16193	34.3	−24 9	6.5	6.33	3100,3130,4157	07,*04*,*03*
17240	34.3	−29 33	7.5	7.61	3804,3810,4157,4165,4173	26,*37*,*06*,17,*01*
617	34.4	+82 51	7.0	*6.82*		A . .
2761	34.4	+52 37	6.5	6.64	3775,3826,3858	12,*06*,*05*
4220	34.4	+15 29	6.0	*5.94*		. . A
5738	34.4	−18 29	5.5	5.35	3494,4173,4200	*04*,00,05
659	34.5	+81 5	5.8	*5.62*		05, . *06*
3807	34.5	+42 29	7.2	7.06	3807,3852,4179	*02*,*09*,12
16195	34.5	−24 28	7.2	7.10	3100,3130	10,*11*

20^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
14959	34.6	−27 0	6.7	6.41	3100,3136,4157	*06*,22,*17*
16841	34.6	−27 57	7.3	7.34	3100,3130	12,*12*
4305	34.7	+21 28	6.0	5.94	3871,4163,4200	*14*,07,07
3672	34.8	+43 58	6.8	6.57	3807,3852,4179	03,*05*,02
16844	34.8	−28 54	6.9	6.69	3100,3485,3488, 3783	*08*,07,05, *03*
1114	34.9	+69 19	7.0	6.89	3096,3491,4170	*02*,01,02
4172	34.9	+38 17	7.0	6.78	3866,3867,4180	03,*05*,02
4121	34.9	+29 59	6.5	*5.86*		00, . 01
5663	34.9	−16 29	6.0	*5.88*		. *07*,08
14957	34.9	−25 24	7.5	7.72	3100,3804	*07*,07
4312	35.0	+25 43	7.3	7.02	3833,3860	*05*,06
4222	35.0	+15 34	3.5	*3.77*		. . A
4981	35.0	− 3 1	7.0	6.67	3467,3468,3469	*04*,*07*,10
3154	35.1	+47 43	6.8	*6.64*		. A .
4419	35.1	+13 5	7.2	7.26	2720,2735,4196	02,11,*12*
4351	35.1	+10 53	6.8	*6.42*		04, . *03*
660	35.2	+80 44	6.1	*6.10*		00, . *01*
2139	35.2	+61 0	7.0	6.93	3775,3779,3826	08,*01*,*06*
2145	35.2	+58 39	7.5	8.05	3826,4179	*09*,09
2911	35.2	+51 39	7.2	7.70	3826,3855	*02*,03
3947	35.2	+26 20	7.5	7.04	3833,3860	18,*19*
16130	35.2	−31 57	6.1	5.88	3095,3101,3136, 3485,3494,3497, 3753,3766,3783, 3829,4137,4165, 4523,4538,4542, 4561	04,*07*,14, *14*,*05*,06, 13,05,*02*, 06,*19*,*02*, *13*,*10*,24, *02*
4220	35.3	+ 3 5	7.5	6.94	2735,2747,4166	16,*21*,05
2914	35.4	+52 1	7.2	7.74	3826,3855	*07*,08
15192	35.4	−26 21	6.6	6.35	3100,3783,4157	*10*,14,*03*
16851	35.5	−28 21	7.2	7.52	3100,3488	*06*,06
4126	35.6	+30 28	7.5	*7.46*		A . .
6059	35.6	−17 44	7.5	6.91	3494,3495,4173	22,*16*,*05*
2142	35.7	+60 24	7.0	*7.06*		A . .
17277	35.7	−29 7	7.8	7.32	3100,3488	*01*,00
4266	35.9	+40 13	6.0	*5.86*		01, . 00
3233	36.0	+45 19	6.7	6.51	4179,4185	12,*12*
3845	36.0	+41 54	6.5	6.87	3807,3852,4179	*11*,*08*,19
4227	36.0	+15 17	7.3	6.77	4166,4180	*23*,23
4389	36.0	+14 10	7.5	7.68	2720,2735	10,*11*
1311	36.1	+67 9	7.4	7.35	3096,3491	02,*02*
4111	36.1	+35 1	7.2	6.84	3873,3878	*04*,05
4318	36.2	+21 34	7.2	7.13	3860,3871	*04*,04
4484	36.2	+19 33	6.5	6.44	4166,4180	*24*,23
5394	36.3	−11 18	7.5	7.70	3494,3495	*07*,08
13994	36.3	−39 55	6.7	6.37	3095,3108,3485	09,12,*20*
2444	36.4	+55 39	6.5	6.64	4179,4185	00,01
4329	36.4	+25 43	7.0	6.75	3860,3864,4168	*05*,*13*,18
4378	36.4	+17 13	6.8	6.61	2720,2735,4166	*13*,16,*04*
3001	36.5	+46 59	7.5	7.62	3852,3858	17,*18*
4131	36.5	+29 27	6.5	*6.09*		02, . *02*
4393	36.5	+14 14	6.0	6.06	4166,4196	00,01
3818	36.6	+43 5	6.0	*6.00*		. . A
4487	36.9	+13 27	7.0	6.77	2720,2735,4166	01,10,*11*
4114	37.0	+34 40	7.5	*7.17*		A . .
4181	37.0	+31 57	6.0	*5.70*		. . A
5754	37.0	−18 28	7.5	7.12	3494,3495	04,*04*
4586	37.1	+ 6 9	6.8	6.86	4166,4180	*26*,25
4276	37.2	+40 50	7.0	6.92	3866,3867,4180	*07*,*05*,11
4138	37.2	+30 54	7.5	7.45	3866,3871,4180	*11*,12,*02*
4491	37.2	+13 57	7.5	8.08	2720,2735	*20*,19
5401	37.2	−11 20	7.5	7.64	3494,3495	*09*,10
17282	37.2	−29 47	6.9	6.94	3100,3488,4157	*07*,09,*02*
4187	37.3	+38 43	6.5	6.44	3866,3867,4180	01,01,*02*
5343	37.3	− 2 41	7.6	7.06	3467,3468,3469	*05*,*12*,17
4107	37.4	+23 49	7.3	6.79	3860,3871,4163	*14*,23,*09*
4382	37.4	+17 11	6.5	6.27	2720,2735,4166	11,00,*10*
18133	37.5	−30 36	7.5	7.86	3485,3497,3804	13,*13*,*01*
4489	37.6	+19 30	7.3	7.48	2720,2735	*10*,09
4490	37.6	+19 16	7.3	7.52	2720,2735	*14*,15
4437	37.6	+12 16	7.4	7.55	2720,2735	01,*01*
5511	37.6	−22 49	7.5	7.16	3100,3783	*12*,12
4218	37.7	+35 33	7.5	*7.52*		A . .
2396	37.8	+54 45	7.5	*7.31*		A . .
4219	37.8	+35 11	7.5	*7.42*		A . .
4145	37.9	+30 57	6.8	6.98	3866,3871	09,*09*
15227	37.9	−26 11	8.0	7.84	3100,3488	*14*,15
16161	37.9	−32 18	7.5	7.40	3095,3108,3497	18,*12*,*07*
3541	38.0	+44 55	1.7	*1.26*		. 01,*01*
5818	38.1	−12 0	6.7	6.80	3494,3495,4173	*02*,*04*,06
2272	38.2	+60 9	6.2	6.05	3779,4179,4185, 4198	*13*,00,*04*, 16
5905	38.2	−19 42	7.3	*7.33*		A . .
3856	38.3	+41 22	5.3	*5.67*		. . A
14382	38.3	−36 12	7.3	6.92	3095,3108,3497	*08*,*07*,16
3544	38.4	+44 30	9.2	8.15	3130,3130	*05*,05
3834	38.4	+42 10	7.4	7.40	3807,3852	11,*11*
4127	38.5	+35 5	7.5	*6.48*		09, . *08*
16879	38.5	−28 34	7.3	7.08	3100,3804	*07*,06
752	38.6	+75 14	7.2	*7.62*		A . .
5567	38.6	− 6 19	8.2	7.87	4544,4544,4545, 4545,4546,4546, 4551,4551,4554, 4554	09,*11*,01, *04*,*04*,23, *16*,*12*,13, *03*
4626	38.7	+ 6 13	7.4	7.30	2735,2747	14,*15*
4529	38.7	+ 5 2	6.8	6.68	4166,4180	*19*,18
5568	38.7	− 5 58	7.5	7.17	3145,3467	*09*,09
4403	38.8	+14 43	4.2	*4.52*		. *05*,04
4494	38.9	+19 32	7.0	7.68	2720,2746	*20*,19

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
14326	38.9	−35 32	6.7	6.81	3095,3108,3497	*10*,*01*,12
4347	39.0	+25 28	7.5	*7.01*		▲ . .
5241	39.0	− 4 17	7.0	7.20	3145,3469	*02*,01
5839	39.0	−14 33	7.1	*7.01*		▲ . .
3353	39.1	+49 59	5.7	5.42	3858,4179,4185	*01*,09,*08*
588	39.2	+83 16	6.2	*6.16*		00, . 01
15014	39.2	−27 37	6.7	6.50	3100,3804,4157	01,17,*17*
18155	39.2	−30 51	6.9	6.66	3095,3108,3485, 4157	12,*31*,02, 16
4124	39.4	+23 26	7.5	6.78	3860,3871,4163	04,04,*09*
4699	39.5	+21 4	6.9	*7.05*		▲ . .
5690	39.6	−16 10	6.7	6.94	3469,3494,4173	17,*04*,*12*
3195	39.7	+48 42	7.2	7.21	3852,3858,4179	*04*, R ,04
2474	39.8	+57 2	7.0	6.87	3775,3779,4179	19,*14*,*05*
5780	39.8	−15 23	7.5	*7.55*		. ▲ .
13960	39.8	−39 34	5.8	5.45	3095,3099,3101, 3485,3488,3494, 3497,3501,3503, 3753,3766,3829, 4137,4165,4523, 4538,4561	01,*22*,*02*, *17*,26,*04*, 18,*04*,*19*, 36,*16*,*22*, 17,*29*,28, 12,*09*
716	39.9	+79 4	6.9	6.65	3491,3504,4198	01,*13*,11
4506	39.9	+13 13	7.5	7.38	2746,2747	*01*,00
14396	39.9	−36 29	6.8	6.35	3095,3099,3485	*08*,*06*,13
809	40.1	+76 29	7.1	7.07	3491,3504	13,*13*
2932	40.1	+51 56	7.2	7.68	3826,3855	09,*10*
4208	40.1	+39 6	7.4	7.74	3866,3867	*19*,20
4368	40.2	+11 57	6.1	*6.70*		. 00,01
15018	40.2	−25 38	4.3	*4.20*		. *08*,09
3869	40.3	+41 52	7.0	7.04	3807,3858,4179	*03*,*13*,15
4501	40.3	+20 8	6.8	*7.07*		▲ . .
3252	40.4	+45 58	7.5	7.20	3836,3852	13,*12*
4634	40.4	+ 6 41	8.3	8.24	2742,3491	00,00
5523	40.4	−21 53	5.9	5.82	3488,4157,4200	01,*08*,06
16262	40.4	−24 6	7.2	7.18	3100,3788	02,*02*
2154	40.5	+60 14	6.2	*6.04*		*03*, . 04
15025	40.5	−27 14	7.0	6.83	3100,3804,4157	*02*,12,*09*
4229	40.6	+24 55	5.7	*5.13*		. . ▲
2477	40.7	+56 46	6.7	6.36	3775,3779,4179	*04*,24,*21*
5526	40.7	−22 32	8.0	7.24	3100,3783	*10*,09
2408	40.8	+54 56	6.7	*7.61*		▲ . .
4089	40.9	− 0 42	7.0	*6.90*		. ▲ .
5921	40.9	−19 48	7.0	*7.58*		▲ . .
4639	41.0	+ 7 2	7.2	6.94	2746,2747,4166	20,*09*,*10*
3033	41.2	+46 56	6.5	6.78	3836,3852,4198	14,03,*16*
16913	41.3	−28 4	7.8	7.62	3100,3804	*06*,07
5579	41.4	− 6 20	8.8	8.65	4542,4542,4544, 4544,4545,4545, 4546,4546,4551, 4551	*07*,07,14, 04,*05*,08, *02*,*06*,*15*, 02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
15264	41.4	−26 47	7.3	7.12	3100,3804	*07*,06
1499	41.5	+65 58	7.0	6.92	3491,3504,4170	09,*20*,12
712	41.6	+81 39	7.5	*7.23*		▲ . .
4167	41.6	+30 21	4.3	*4.40*		. . ▲
4251	41.6	+15 33	7.3	7.10	4166,4180	*22*,21
962	41.7	+72 37	7.0	7.34	3491,3504	02,*03*
R	41.7	−44 22	. .	5.00	3829,4137,4165	*24*,39,*15*
2462	41.8	+56 8	6.0	*6.20*		*19*, . 18
1318	41.9	+66 18	5.5	5.57	3465,3472,3481, 3485,3491,3497, 3499,3501,3503, 3504,3753,3758, 3766,3769,3775, 3779,3781,3801, 3814,3823,3829, 3830,3836,3841, 3852,3855,3858, 3866,3871,3873, 3878,3880,4136, 4137,4170,4173, 4174,4179,4180, 4181,4182,4183, 4186,4187,4189, 4193,4198,4208, 4211,4223,4224, 4225,4228,4233, 4517,4522,4523, 4538,4539,4544, 4551,4554,4561	05,*05*,*03*, *01*,03,15, 37,04,*04*, 03,*11*,02, *18*,*26*,27, 08,*29*,04, 00,*05*,*10*, 05,*23*,12, 06,*06*,*24*, *23*,05,18, 29,38,*25*, *03*,*10*,*19*, 15,21,15, 07,11,12, *02*,16,*18*, *04*,06,24, 01,*08*,11, *08*,*24*,01, 08,*30*, R, 16,*13*,*09*, 04,*23*,16
5018	41.9	− 2 52	6.8	6.33	3145,3468,4165, 4173	08,*02*,*06*, 00
16918	41.9	−28 7	7.5	7.46	3100,3804	00,01
3258	42.0	+46 0	6.8	6.64	3836,3852	*12*,13
4255	42.0	+15 46	3.5	*4.07*		. . ▲
16498	42.0	−23 51	7.5	7.62	3783,3804	*27*,27
4018	42.2	+33 36	2.6	*2.58*		. . ▲
5506	42.3	− 9 52	4.2	3.63	3144,3469,3495	*06*,14,*09*
4148	42.4	+24 6	7.5	7.07	3860,3871	*07*,07
4419	42.4	+14 22	7.8	7.78	2746,2747	*01*,00
4363	42.5	+ 1 29	7.8	7.83	2742,3491	*02*,02
5378	42.5	− 5 24	4.2	4.54	3145,4165,4196	04,*02*,*03*
5702	42.5	−16 42	7.3	7.42	3144,3469	*02*,03
5928	42.5	−19 38	6.5	6.69	4165,4173	*08*,08
3191	42.6	+50 18	7.0	7.22	4179,4185	*09*,08
6089	42.6	−16 54	7.0	7.02	3144,3469	*04*,04
16508	42.6	−23 7	7.4	7.26	3804,3810	10,*10*
4217	42.7	+32 3	7.2	7.04	3866,3871	01,*01*
4648	42.7	+ 6 37	7.5	7.30	2746,2747	04,*05*
5779	42.7	−18 35	8.1	6.70	3144,3469,4165	*04*,*06*,09
4613	42.8	+ 5 38	5.5	*5.62*		. 06,*07*

$\mathbf{20^h}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4250	42.8	+ 2 57	6.5	6.35	2742,2746,4166	*04*,26,*23*
5508	42.8	−10 7	8.0	7.32	3469,3494	*01*,00
2240	42.9	+57 13	4.5	4.74	3826,4179,4185,4198	*04*,*04*,14,*04*
4465	42.9	+12 38	7.3	7.45	2746,2747	09,*10*
4257	43.0	+15 53	7.3	7.47	2748,2749	00,00
4640	43.0	+10 6	7.8	*7.47*		A . .
5382	43.0	− 5 0	7.5	*7.10*		12,08,*19*
4253	43.1	+ 2 20	7.0	6.94	2742,2747,4166	17,*11*,*05*
4028	43.2	+34 1	6.0	R		
18202	43.2	−30 34	7.0	7.26	3095,3099,3485,3503	02,00,*02*,*01*
2050	43.3	+61 27	3.7	3.57	3472,3481,3485,3488,3491,3499,3504,3517,3519,3758,3766,3775,3779,3781,3783,3807,3814,3829,3830,3841,3852,3855,3857,3858,3860,3866,3880,4136,4157,4170,4174,4179,4180,4181,4182,4185,4189,4192,4195,4197,4198,4202,4211,4223,4224,4225,4228,4233,4517,4522,4523,4538,4539,4545,4546,4551,4554,4561	*16*,01,05,*12*,*29*,*09*,*27*,29,17,02,23,45,04,*34*,24,*13*,*04*,03,*35*,*10*,00,*22*,*07*,*07*,*19*,13,21,25,14,25,*01*,*07*,*19*,23,*07*,*07*,08,16,12,10,*01*,16,*11*,*03*,*22*,06,00,08,20,13,*45*,23,02,05,*17*,*07*,12,*13*
3270	43.3	+46 10	6.4	6.32	3836,3852	*12*,11
4549	43.4	+ 7 14	7.5	7.14	2742,2747	10,*09*
4430	43.4	+ 3 17	6.8	6.60	2742,2747,4166	*09*,03,05
4369	43.4	+ 1 22	7.5	7.36	2747,4166,4180,4181	*03*,00,05,*01*
15282	43.4	−26 9	6.1	*5.76*		. 00,00
2799	43.5	+52 38	6.2	6.48	3826,3855,3858	03,*11*,08
4267	43.5	+36 7	4.7	*4.37*		. . A
4375	43.5	+25 49	7.1	7.00	3860,3864,4163	*01*,00,02
3884	43.6	+42 3	6.8	7.06	3807,3836	21,*20*
3868	43.6	+27 14	7.0	6.95	3860,3864,4163	04,*05*,01
5783	43.6	−18 25	6.7	6.37	3144,3469,4165	*09*,05,04
2488	43.8	+56 28	7.2	7.44	3775,3779	15,*16*
14660	43.8	−34 9	5.1	4.96	3101,3108,3485,3488,3494,3766,3804,3810,3829,4137,4165,4233,4523,4538,4561	24,43,11,04,12,*07*,09, R ,*09*,*47*,08,*01*,*32*,*20*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1127	43.9	+69 23	6.7	6.55	4170,4185,4539,4542,4544	04,01,*10*,02,05
3275	43.9	+45 13	7.0	6.71	3836,4179	00,00
4720	43.9	+20 52	6.5	*7.05*		A . .
3889	44.0	+41 42	7.3	7.32	3807,3836	*06*,07
4362	44.1	+21 16	7.5	7.85	3860,3860,3871,3873	R , R ,07,*07*
4389	44.1	+11 30	7.5	7.70	2747,2748	05,*06*
4057	44.1	− 0 56	6.8	6.53	3145,3468,4165	*02*,22,*20*
15065	44.1	−27 45	7.3	6.99	3804,3810,4157	09,*11*,01
2800	44.2	+52 15	7.3	7.70	3826,3855	*18*,18
4235	44.2	+38 55	6.7	7.01	3866,3867,4539,4542,4545	39,*25*,*35*,13,07
4203	44.4	+22 38	8.0	7.78	3501,3508,4192,4192,4193,4193,4198,4198,4544,4544,4545,4545,4546,4546	18,14,04,02,*07*,00,*08*,03,*02*,01,*04*,*22*,*11*,06
16235	44.4	−32 5	7.5	7.40	3501,3508,3802	*02*,06,*05*
4185	44.5	+30 25	7.5	*7.36*		A . .
4433	44.5	+14 15	6.8	*7.09*		A . .
5413	44.5	− 7 4	7.4	7.86	3145,3469	*08*,08
2243	44.6	+58 3	6.7	7.27	3775,3779	16,*16*
3188	44.6	+47 28	5.5	5.89	3852,4179,4198	24,*18*,*06*
4366	44.6	+22 1	7.5	7.78	3860,3871	*04*,04
15067	44.6	−25 21	6.9	6.64	3802,3804,4157	05,*03*,*02*
16236	44.6	−32 25	6.9	6.56	3095,3099,3101,3497,3503	02,*10*,*09*,25,*08*
14250	44.6	−38 17	5.9	5.61	3101,3136,3488,3494,3497,3766,3829,4137,4163,4165,4238,4523,4561	02,*03*,12,*15*,28,*14*,*07*,*28*,15,10,01, R ,*05*
4106	44.7	− 0 42	7.5	7.00	3145,3468,4165	*09*,01,09
2468	44.8	+55 12	7.5	*7.71*		A . .
2954	44.9	+52 8	6.0	6.28	3826,3855,4198	*05*,18,*14*
4531	44.9	+13 36	7.3	7.02	2747,2748	*04*,05
4472	44.9	+12 11	5.5	5.88	2746,4166,4196	06,*13*,07
4556	44.9	+ 7 30	5.5	*6.28*		. 10,*11*
3897	45.0	+41 23	7.3	7.63	3807,3836	*13*,13
4388	45.0	+11 7	7.2	7.40	2747,2748	*05*,04
4626	45.0	+ 5 11	6.4	6.20	4166,4180	*07*,07
5709	45.0	−15 53	7.5	8.02	3144,3494	*12*,12
5844	45.1	−21 40	6.8	7.07	3783,3802,4200	*11*,00,10
5773	45.2	−12 54	6.3	5.98	3101,3469,4196	*02*,11,*10*
4331	45.3	+39 25	7.3	7.32	3866,3867	*03*,04
4282	45.3	+35 12	7.5	*6.70*		A . .
5600	45.3	− 6 15	8.5	8.71	4542,4542,4544,4544,4545,4545,4546,4546,4551,	*06*,15,*18*,*16*,*09*,07,12,18,05,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4551	*08*
4477	45.4	+12 57	7.5	7.18	2747,2748	*10*,09
3291	45.5	+45 45	5.6	4.90	3781,3836,4198	*15*,02,12
3878	45.5	+42 35	7.4	7.26	3781,3807	*08*,07
4726	45.5	+20 31	7.2	*7.85*		A . .
15080	45.6	−27 37	6.8	6.64	3804,3810,4157	17,*12*,*04*
16955	45.3	−28 22	6.8	6.82	3802,3804,4157	12,06,*19*
17379	45.6	−29 48	6.9	7.02	3095,3099,4157	03,*10*,07
18223	45.6	−30 9	7.1	7.25	3095,3099,3497,	*03*,*06*,09,
					3503	00
2495	45.7	+53 32	7.5	7.95	3826,3855,4179,	R ,18,04,
					4185,4186,4539,	*13*,*09*,10,
					4542,4544	00,*02*
2957	45.7	+51 32	6.0	*6.20*		. . A
4008	45.8	+27 0	7.5	7.04	3860,3864	*13*,13
15245	45.8	−33 33	6.2	5.96	3095,3136,3488,	*25*,19,*03*,
					3501,3503,3766,	19,13,*28*,
					3810,3829,4137,	*46*,05,38,
					4163,4165,4233,	07,01,*05*,
					4523,4538,4561	*26*,19,07
15082	45.9	−27 18	4.1	*4.22*		. 01,*01*
1129	46.0	+69 34	7.5	7.75	3491,3499,4170	08,*02*,*05*
4431	46.0	+17 40	6.5	6.49	2747,3149,3152,	*21*,15,39,
					3166,3180,3181,	*28*,05,09,
					3539,3542,3544,	*18*,02,*02*,
					3545	*03*
5604	46.1	− 6 0	6.5	*6.03*		. 21,*21*
17905	46.1	−31 4	7.5	7.58	3099,3136,3497,	08,*10*,11,
					3503	*10*
14003	46.2	−39 29	7.1	6.86	3099,3136,3501	*13*,*06*,10,
					3503	09
2497	46.3	+53 52	6.6	7.24	3826,3855	*15*,15
5526	46.3	−10 42	7.5	7.44	3101,3469	*03*,02
3209	46.4	+50 24	7.3	*7.62*		A . .
3386	46.5	+49 45	6.8	6.78	4179,4185	01,*02*
3067	46.5	+46 17	6.6	6.48	3781,3836,4179	*05*,*05*,11
4199	46.5	+30 32	7.0	6.74	3873,3878	*15*,15
6055	46.5	−20 1	7.0	*7.18*		A . .
3211	46.6	+50 57	6.3	6.64	3826,3855,4185	*04*,08,*05*
3739	46.6	+43 41	5.5	*5.14*		. . A
5447	46.6	−11 48	7.2	7.15	3101,3469,3495	06,*01*,*04*
5852	46.6	−21 36	7.3	7.34	3783,3802	01,00
5942	46.7	−19 7	8.3	8.37	3144,3469	*01*,01
5606	46.8	− 5 52	6.0	5.41	3145,4173,4196	07,*05*,*01*
2178	46.9	+58 22	6.5	6.71	3775,3779,4179	11,*12*,01
14449	46.9	−36 53	7.3	7.23	3099,3108,3501	*27*,05,21
3909	47.0	+42 1	7.3	7.20	3781,3807	00,00
4180	47.0	+34 23	6.8	6.73	3866,3871	*11*,11
5779	47.0	−13 34	7.0	6.97	3101,3145,3495	19,*05*,*14*
17913	47.0	−31 53	7.3	7.31	3099,3136,3802	*02*,01,01

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4548	47.1	+13 32	7.8	7.73	2727,2747	15,*15*
4553	47.1	+ 8 24	7.0	7.20	2727,2742	*15*,14
14078	47.1	−40 11	5.7	5.43	3829,4163,4165,	*33*,08,*01*,
					4233,4523,4561	*05*,42,*09*
16328	47.2	−24 9	6.6	6.21	3783,3802,4157	*02*,03,*01*
1267	47.3	+67 39	6.5	6.94	3491,3504,4170	*06*,*03*,09
5608	47.3	− 6 18	8.5	8.56	4542,4542,4544,	10,18,00,
					4544,4545,4545,	*02*,*13*,06,
					4546,4546,4551,	*15*,02,*04*,
					4551	*01*
5598	47.3	− 9 22	5.1	4.72	3468,3495,4196	*14*,*11*,24
17917	47.3	−31 5	6.7	6.49	3099,3136,3497,	*13*,09,*06*,
					3503	10
14455	47.3	−36 34	7.1	7.19	3099,3108,3501	*10*,11,*01*
1663	47.6	+63 40	6.5	6.34	3491,3499,4170,	*04*,02,*17*,
					4185,4198	25,*06*
4076	47.6	+37 36	7.2	6.97	3866,3867,4174	*02*,04,*03*
1130	47.7	+69 17	7.0	7.42	3491,3499	02,*02*
2495	47.7	+56 26	6.8	7.01	3775,3779,4179	17,*20*,03
3200	47.7	+47 39	7.0	7.21	3836,3858	18,*18*
5854	47.7	−11 57	6.5	6.40	3101,3145,4165	01,14,*16*
4017	47.8	+26 43	5.0	4.88	3864,4163,4200	21,*05*,*16*
4544	47.8	+19 45	7.8	*7.22*		*31*, . 30
5950	47.8	−19 29	6.5	*7.09*		A . .
2426	47.9	+54 39	7.2	7.60	3826,3855	*12*,12
3974	47.9	+32 28	6.7	6.35	3866,3871,4174	03,05,*07*
2962	48.0	+52 1	6.8	7.10	3826,3855	01,00
3215	48.0	+51 3	7.2	6.82	3826,3855	*07*,08
4438	48.0	+17 39	6.0	*6.80*		. . A
16975	48.1	−28 18	6.7	6.46	3802,3804,4157	05,07,*12*
3202	48.2	+47 20	7.5	7.52	3836,3858	*06*,07
16339	48.2	−24 39	7.3	7.17	3802,4157	01,*01*
3399	48.3	+49 17	7.4	7.03	3836,3858,4179	04,*11*,07
2429	48.4	+55 7	7.4	*8.26*		A . .
5954	48.4	−19 22	7.3	*7.49*		A . .
3081	48.5	+46 21	7.4	7.30	3781,3836	*02*,03
4258	48.5	+39 7	7.3	7.22	3866,3867	*11*,10
4267	48.5	+ 2 38	7.5	7.56	2727,2742	06,*05*
15326	48.5	−25 57	7.5	7.52	3802,4157	13,*12*
4263	48.6	+24 32	7.0	6.91	3871,3873,4163	17,*20*,04
4281	48.6	+15 58	7.0	7.48	2720,2727	10,*10*
16982	48.6	−28 18	7.5	7.62	3804,3810	13,*14*
5433	48.7	− 7 16	6.5	*6.45*		. . A
5456	48.7	−11 18	7.2	7.12	3101,3495	*01*,00
5410	48.8	− 4 55	6.7	6.59	3145,4165	*01*,01
4221	48.9	+29 17	6.6	6.39	3833,3864	04,*04*
5864	49.0	−21 20	7.5	7.90	3783,3802	07,*08*
5805	49.1	−18 18	6.3	*5.73*		. . A
5960	49.1	−19 10	7.0	6.66	3101,3469,4165	*02*,*11*,13
5611	49.3	− 9 15	7.6	7.02	3145,3468,4165	*06*,*05*,10

DM.	R.A. 1900.	Dec. 1900.		Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	°	′				
5833	49.4	−15	39	7.5	7.66	3101,3144	*04*,04
4254	49.5	+31	15	6.7	6.90	3866,3871,4174	*12*,24,*12*
17940	49.5	−31	16	7.5	7.64	3802,3804,3810	09,08,*18*
2433	49.6	+54	40	6.8	6.64	3826,3855	03,*04*
4555	49.6	+19	23	6.8	*7.40*		A . .
3755	49.7	+44	0	5.4	4.65	3781,4179,4198	*16*,33,*18*
4420	49.7	+11	41	7.5	7.90	2720,2727	06,*05*
4073	49.7	− 1	45	8.2	*7.77*		A . .
17943	49.7	−31	53	7.9	7.62	3099,3802,3804,3810	07,08,*07*,*06*
16296	49.7	−31	56	7.5	7.63	3136,3802,3804	*21*,21,01
718	49.8	+82	10	6.0	*5.71*		02, . *02*
3617	49.8	+44	48	6.2	5.61	3801,3823,3858	02,*20*,18
3922	49.8	+42	2	6.8	6.47	3781,3801,4170,4179	*24*,03,*05*,26
3980	49.8	+33	3	6.0	*5.60*		. . A
3920	49.8	+29	7	7.5	7.56	3833,3864	*05*,06
2183	50.0	+58	16	7.0	7.56	3775,3779	12,*11*
4346	50.0	+40	40	7.5	*7.32*		A . .
4075	50.0	− 1	45	6.7	6.50	4165,4173	*01*,00
5626	50.0	− 6	8	9.2	9.57	4544,4544,4545,4545,4546,4546,4551,4551,4554,4554	*06*,*23*,08,14,07,26,02,*10*,01,*21*
2504	50.1	+56	13	7.4	7.49	3775,3779	14,*14*
3909	50.1	+28	8	7.0	6.44	3833,3864,3871	*20*,*05*,25
4393	50.1	+ 1	26	7.0	6.78	2727,2746,4166	*01*,*02*,02
6127	50.1	−17	29	7.3	7.13	3101,3144	05,*05*
3214	50.2	+47	53	7.5	7.09	3823,3836	03,*03*
4692	50.2	+ 7	8	7.0	7.40	2727,2742	05,*06*
3911	50.3	+27	41	5.3	5.34	3841,3871,4200	*17*,13,05
3759	50.4	+44	0	7.5	7.56	3781,3801	*14*,13
4401	50.4	+16	52	7.5	7.69	2720,2727,4166	*01*,19,*17*
2511	50.5	+54	8	6.5	7.16	3826,3855	04,*03*
4671	50.5	+ 9	20	7.4	7.36	3130,3149	07,*08*
6129	50.5	−17	37	7.8	7.63	3101,3144	05,*05*
3624	50.6	+44	44	7.2	*7.42*		A . .
3242	50.7	+49	9	7.0	7.18	3823,3836	*19*,19
4354	50.7	+40	20	6.8	6.38	3873,3878	*12*,11
3984	50.7	+32	19	7.3	7.38	3866,3871	04,*05*
4461	50.7	+ 4	9	5.7	5.81	2746	A
14746	50.7	−34	23	7.5	7.26	3099,3136,3503	*05*,*09*,14
4314	50.8	+36	42	6.5	7.24	3866,3867	*10*,10
4085	50.9	+33	22	7.3	*7.40*		. A .
4572	50.9	+13	21	5.6	*5.37*		. *01*,01
4501	50.9	+12	12	5.7	*5.60*		. 08,*09*
4580	50.9	+ 7	18	7.3	7.44	2727,2742	11,*10*
15344	50.9	−26	41	6.1	5.63	3497,4157,4195	*03*,*06*,10
4564	51.0	+20	1	7.0	*7.35*		A . .
5307	51.1	− 3	57	6.9	6.43	3145,3497,4165,4173	08,11,*18*,*02*
5572	51.1	−22	23	7.5	7.53	3497,3783,3802,3804	*05*,*10*,03,12
2486	51.2	+55	58	6.9	*7.61*		A . .
2187	51.3	+58	56	6.6	6.82	3775,3779,4170	03,*03*,01
3326	51.3	+45	51	6.8	6.65	3823,4170	*03*,03
3989	51.3	+32	18	7.2	7.20	3866,3871	*01*,00
4571	51.3	+ 8	53	7.0	7.14	2727,2742	01,00
967	51.4	+72	34	7.5	8.02	3491,3499	02,*02*
2509	51.4	+56	47	6.8	7.26	3775,3779	09,*09*
2514	51.4	+53	23	7.1	8.13	3826,3855,3864,3866,3873,4186,4186,4187,4187,4189,4189,4545,4545,4546,4546,4551,4551	*31*,06,09,*05*,02,*08*,*10*,*04*,06,16,07,*08*,*11*,05,06,13,12
5553	51.5	−10	5	6.2	5.66	3469,4165,4196	*08*,*03*,11
2070	51.6	+61	23	7.2	7.18	3491,3499	*05*,04
3932	51.6	+42	8	6.9	6.89	3781,3801,4170	08,09,*18*
4368	51.6	+39	55	7.2	*7.02*		A . .
4089	51.6	+33	38	7.5	*8.04*		. A .
5311	51.6	− 4	4	7.5	7.26	3468,3469	20,*20*
3762	51.7	+43	24	7.5	7.64	3781,3801	*02*,01
3924	51.7	+27	12	7.2	6.76	3833,3841,4163	07,*27*,21
4478	51.7	+14	27	7.0	7.53	2720,2727	05,*05*
4397	51.7	+ 1	21	7.7	7.06	2727,2742	06,*05*
968	51.8	+72	40	7.5	8.12	3491,3499	*02*,01
3327	51.8	+45	58	7.0	7.09	3823,3836,3858	10,*05*,*06*
3907	51.8	+42	59	6.5	6.99	3781,3801,4170	07,*06*,00
4244	51.8	+22	12	7.5	7.88	3829,3841	12,*12*
4479	51.8	+14	18	7.2	7.48	2720,2727	*15*,15
672	52.1	+80	11	5.3	*5.63*		*03*,04,*01*
2262	52.1	+57	17	7.3	7.74	3775,3779	07,*07*
4132	52.1	+ 0	5	6.8	6.16	4165,4183	*08*,09
5741	52.1	−16	25	5.8	5.71	3144,4165,4196	*01*,*06*,07
5529	52.3	− 8	6	7.3	7.37	3145,3468,3469	09,*09*,00
3111	52.4	+47	2	6.0	*5.68*		. . A
3766	52.4	+43	59	6.7	6.71	3781,3801,4170	10,08,*19*
4407	52.4	+16	44	7.0	6.89	2720,2747,4539,4542,4544	*21*,09,08,*12*,17
890	52.5	+74	16	7.3	7.39	3491,3499	*29*,29
4297	52.5	+15	51	7.3	7.67	2720,2747,3501,3503,4187,4187,4189,4189,4192,4192,4544,4544,4545,4545,4546,4546	*29*,*29*,*09*,*17*,01,15,07,*01*,05,22,15,17,19,00,01,*11*
3911	52.6	+43	2	6.7	6.79	3781,3801,4170	08,00,*07*
3918	52.6	+42	23	6.5	6.71	3781,3801,4170	13,*12*,*02*
5876	52.6	−12	21	7.1	7.53	3101,3144	*02*,02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3767	52.8	+43 31	7.0	7.07	3781,3801	*01*,01
16333	52.8	−32 2	7.5	8.13	3802,4157,4165	*13*,01,11
4466	52.9	+ 3 48	6.5	6.88	2742,3758,3783,3802,4166,4180,4181	13,00,*02*,02,*09*,00,*05*
3232	53.1	+50 41	6.2	6.45	3775,4170,4198	26,08,*33*
3639	53.1	+44 38	6.7	*6.01*		01, . *01*
4591	53.1	+ 7 40	7.2	*7.12*		. ▲ .
5807	53.1	−13 45	7.5	7.55	3101,3469	*09*,09
4218	53.2	+34 55	6.5	*6.77*		▲ . .
4422	53.2	+26 1	7.0	6.90	3833,3841,4163	04,*04*,01
5848	53.2	−14 52	6.0	5.94	4165,4183	*14*,15
2296	53.3	+59 38	7.5	7.67	3779,3826	*08*,08
3233	53.3	+50 20	5.5	*5.73*		. . ▲
3249	53.3	+48 48	6.2	5.98	3823,3836,3842	*07*,12,*06*
18315	53.3	−30 54	7.3	7.21	3802,3804,3810	09,19,*27*
14779	53.3	−34 0	7.5	7.26	3802,3804,3810	11,16,*27*
4364	53.4	+40 47	4.0	*3.99*		. . ▲
5321	53.5	− 4 18	7.0	6.81	3145,3468,3469	07,*05*,*03*
1136	53.6	+69 34	7.5	7.80	3491,3499	23,*24*
2515	53.6	+56 29	6.0	*6.20*		. . ▲
4425	53.6	+10 28	5.2	*5.60*		. 10,*09*
3943	53.7	+41 18	7.3	7.14	3781,3801	07,*07*
14530	53.7	−36 31	6.4	6.00	3099,3108,3501	09,*10*,02
3944	53.8	+42 3	7.4	7.49	3781,3781,3801	*05*,*13*,17
4382	53.8	+39 16	7.0	7.50	3867,3871	*12*,12
4424	53.8	+21 56	5.1	5.52	3829,3841,4200	*05*,*09*,15
1518	53.9	+65 18	7.3	*7.25*		▲ . .
4254	53.9	+22 39	7.0	6.57	3829,3841,3878,4163,4193,4195	05,*05*,03,15,03,*19*
4300	53.9	+16 2	7.2	7.17	2720,2735,2746	01,00,00
4493	53.9	+14 33	7.5	7.82	2720,2746	06,*05*
5982	53.9	−19 26	6.2	6.22	3495,4165,4196	*06*,04,01
14788	54.0	−34 37	7.5	7.02	3099,3136,3802	09,*05*,*03*
4253	54.1	+30 0	6.7	6.61	3866,4174,4200	02,07,*09*
4473	54.1	+ 3 55	5.5	5.13	2747	▲
4478	54.3	+17 27	7.5	7.78	2720,2746	10,*11*
5813	54.4	−13 26	6.8	*6.59*		. ▲ .
14501	54.4	−35 41	7.1	6.64	3099,3108,3501,3802	*16*,*07*,07,16
4301	54.6	+39 5	7.4	7.66	3866,3867	*07*,08
4292	54.6	+31 15	7.0	7.17	3866,3871	*20*,20
4426	54.6	+21 57	7.0	7.04	3829,3841	*13*,12
14542	54.6	−36 27	7.1	6.58	3099,3108,3501	04,*25*,22
3777	54.8	+44 4	6.0	5.71	3781,4170,4198	02,*03*,00
5491	54.8	−11 1	7.1	7.35	3101,3469,3495	06,07,*13*
3240	54.9	+47 13	7.5	7.25	3823,3836	06,*06*
3124	54.9	+46 12	7.4	7.31	3823,3836	10,*10*
3949	54.9	+41 33	6.9	6.03	3781,3801,4170	01,*23*,21
2452	55.0	+55 6	6.8	*7.31*		▲ . .
18336	55.0	−30 7	7.1	6.87	3099,3503,4157	*08*,08,*01*
14509	55.0	−35 34	7.4	7.52	3501,3804,3810,4157	03,08, R,*10*
18337	55.1	−30 8	8.0	7.94	3099,3136,3503	*15*,16,*02*
2195	55.2	+58 26	7.5	7.66	3826,3858	*09*,09
4425	55.2	+16 26	6.2	6.38	4166,4197	01,*01*
4718	55.2	+ 7 7	6.5	*5.98*		. *04*,03
5650	55.2	− 5 52	6.5	6.52	3145,4165	06,*07*
5831	55.2	−17 55	6.8	*6.54*		. ▲ .
16358	55.2	−32 39	5.0	4.74	3099,3136,3503,3802,3810,3829,4157,4163,4224,4233,4523,4538,4561	02,06,05,07,*22*,12,09,*12*,00,01,*54*,57,*07*
15841	55.2	−33 17	7.0	6.57	3099,3802,3804	03,*04*,02
3426	55.3	+50 4	5.5	5.77	3814,3826,4198	*08*,*04*,12
3780	55.3	+43 40	7.0	6.75	3781,3801,4170	06,02,*07*
5433	55.3	− 5 7	6.0	6.25	3145,3468,4165,4196	*07*,*11*,*03*,20
4668	55.4	+18 14	7.2	7.28	2720,2746	10,*11*
3352	55.5	+45 52	7.4	7.08	3814,3823	*07*,07
5908	55.6	−13 55	7.0	6.69	3101,3144	*03*,03
17057	55.6	−28 11	7.8	7.38	3497,3783	11,*12*
14049	55.6	−36 58	7.1	7.14	3501,3503,3802	08,06,*13*
4378	55.7	+40 34	7.3	*7.02*		▲ . .
4590	55.7	+19 33	7.3	*7.40*		▲ . .
3956	55.8	+41 56	6.5	6.51	3781,3801,4170	*04*,*02*,06
4306	55.8	+38 25	6.5	6.69	3866,3867,4174,4542	*16*,32,*02*,*13*
764	55.9	+75 32	6.0	6.07	4170,4185,4198	08,15,*23*
4304	55.9	+32 6	7.0	7.16	3866,3871	*04*,05
4675	55.9	+18 57	5.9	*5.84*		. . ▲
15197	55.9	−27 17	6.2	*5.88*		. *01*,01
3782	56.0	+43 50	7.3	7.49	3781,3801	17,*16*
4639	56.0	+ 0 39	7.9	7.42	2746,2747	*01*,01
14079	56.0	−38 55	6.0	5.99	3501,3802,3829,4163,4174,4185,4224,4233,4561	03,17,00,*14*,05,*07*,*01*,00,01
4400	56.1	+39 51	6.8	6.70	4174,4180	01,00
1170	56.3	+68 40	6.5	*7.07*		. ▲ .
3661	56.3	+44 36	7.2	6.79	3781,3801,4170	*11*,08,04
3934	56.3	+42 32	7.5	7.66	3781,3801,3823	*12*,06,07
4365	56.3	+36 34	7.5	7.93	3866,3867,4174,4180,4183,4539,4542,4545	*26*,36,01,*02*,06,*15*,*12*,09
4641	56.3	+ 0 41	8.0	7.28	2749,2754,3113	04,*08*,04
3133	56.4	+47 8	5.3	4.99	3823,3836,4198	*02*,14,*13*
5337	56.5	− 4 32	7.3	7.36	3145,3497	12,*12*
14087	56.5	−39 29	7.3	7.11	3099,3108,3501	*08*,15,*07*
1279	56.6	+67 22	7.2	7.78	3491,3499	13,*13*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5890	56.6	−12 5	7.0	7.07	3101,3468,3469	14,*13*,00
14089	56.6	−39 1	5.5	5.28	3099,3501,3802,3804,3829,4163,4174,4185,4224,4233,4561	04,02,08,20,*09*,*13*,*04*,*10*,*06*,21,*08*
2497	56.7	+55 31	6.8	6.84	4170,4179	*11*,10
3260	56.8	+48 17	7.4	7.08	3823,3836	03,*02*
17504	56.9	−29 30	6.9	6.77	3783,3802,4157	*02*,07,*04*
2201	57.0	+59 2	5.6	*5.67*		. . ▲
2456	57.0	+54 49	6.4	*7.06*		▲ . .
4366	57.0	+36 58	7.5	8.02	3866,3867	*28*,27
5830	57.0	−12 51	7.0	7.30	3101,3468,3495	06,*08*,02
5769	57.0	−15 52	7.2	7.76	3101,3144	*04*,04
5578	57.1	−10 24	6.8	6.74	3101,3497,3886,4165,4173	17,15,*07*,*04*,*19*
5998	57.1	−19 39	7.0	7.20	3101,3144	*06*,06
17077	57.2	−28 7	6.6	6.19	3497,3783,4157	14,*13*,*01*
765	57.3	+75 20	6.6	6.94	4170,4185	*01*,00
4357	57.3	+35 38	6.2	*6.08*		*06*, . 05
4806	57.3	+20 42	7.3	7.57	3829,3841	*03*,03
4731	57.3	+ 6 48	6.7	*6.67*		. 07,*07*
4216	57.5	+23 16	7.9	7.72	3878,4193,4195	17,*08*,*10*
15195	57.5	−25 28	7.8	7.56	3497,3823	04,*05*
3364	57.6	+45 46	5.7	5.21	3781,3814,4198	*22*,*06*,28
4389	57.7	+40 13	7.0	*7.12*		▲ . .
4289	57.7	+ 2 57	7.2	6.68	2742,2746,4166	23,*17*,*05*
4095	57.8	− 1 19	6.8	6.31	3145,3468,3495	00,05,*04*
4278	57.9	+22 56	7.3	7.21	3829,3841,3878,4193,4195	*02*,*10*,01,*04*,13
4457	57.9	+11 16	7.2	7.35	2720,2735	*09*,09
4318	58.0	+38 51	7.2	*7.50*		. ▲ .
4375	58.0	+36 18	7.5	8.14	3867,3871	04,*04*
4413	58.0	+ 1 18	8.3	7.30	4166,4180	*01*,02
4648	58.0	+ 1 8	7.7	6.37	4166,4180	*14*,14
4098	58.0	− 1 42	7.3	*7.32*		▲ . .
16443	58.0	−24 43	7.4	7.74	3497,3783,3804	12,*09*,*02*
2190	58.1	+61 6	7.5	7.43	3779,3826	*07*,07
2982	58.1	+51 44	7.0	7.87	3826,3855,3858	*06*,*07*,12
4284	58.1	+30 7	7.5	*7.81*		▲ . .
3952	58.1	+27 24	7.5	7.16	3833,3841	10,*11*
4317	58.1	+15 35	6.9	*7.04*		▲ . .
3789	58.2	+43 47	7.0	6.72	3781,3801,4170	03,*05*,02
4125	58.2	+33 20	7.5	7.72	3866,3871	01,00
17521	58.2	−29 32	8.0	8.20	3497,4192,4192,4193,4193,4200,4200,4201,4201,4544,4544,4545,4545,4546	R,*15*,10,13,17,*33*,*12*,*33*,*13*,29,10,06,11,14
4448	58.3	+21 25	7.3	7.34	3829,3841	*02*,03
4518	58.3	+14 20	7.3	6.38	2720,2735,4166	10,*01*,*08*
5434	58.3	− 1 58	7.0	6.78	3145,3468,3495	23,*12*,*12*
5433	58.3	− 2 43	7.4	7.06	3145,3468,3495	15,*04*,*10*
1037	58.4	+71 57	7.5	8.19	3491,3499	*03*,03
4443	58.4	+26 6	7.1	7.42	3833,3841	*10*,10
4321	58.5	+39 6	6.4	6.54	3871,3873,4174	17,*08*,*09*
3149	58.6	+46 37	7.5	7.68	3823,3836	10,*11*
15222	58.6	−27 8	8.1	8.28	3783,3802	01,*01*
5664	58.7	− 6 13	6.0	5.57	3145,3468,4539	*09*,20,*12*
6115	58.7	−20 15	5.0	4.78	3130,4165,4542	*09*,10, R
4320	58.8	+31 57	7.2	7.17	3866,3871	*04*,04
4222	58.8	+24 8	7.5	7.61	3878,4193,4195	*02*,*09*,11
14086	58.8	−37 37	7.1	6.94	3099,3108,3497,3501	13,*23*,*18*,28
3679	58.9	+44 25	6.8	6.38	3842,4170	04,*03*
4879	58.9	+36 45	7.5	7.84	3867,3871	*05*,06
4062	59.0	+26 56	7.0	7.23	3833,3841	*08*,08
4224	59.1	+23 35	7.5	7.45	3501,3503,3517,3829,3841,4187,4187,4189,4189,4192,4192,4544,4544,4545,4545,4546,4546	*02*,*17*,*02*,*36*,*53*,06,*10*,*12*,17,*05*,08,18,18,23,14,21,14
2523	59.2	+56 40	6.5	6.70	3779,3826,4170	*03*,*08*,12
3266	59.2	+47 39	7.0	6.95	3823,3836,4170	*01*,*08*,09
4325	59.2	+38 16	6.0	6.25	3867,3871,4539,4544	02,11,*01*,*12*
3974	59.2	+28 43	7.0	6.97	3833,3841,4163	*13*,*05*,18
6167	59.2	−17 33	7.7	7.23	3101,3144	05,*05*
2273	59.3	+57 23	7.0	6.93	3779,3826,4170	*01*,*11*,12
3374	59.3	+45 27	6.7	6.34	3807,4170,4197	*08*,00,08
2524	59.4	+56 16	5.8	5.56	4170,4197,4539	29,*09*,*21*
4159	59.4	+37 46	7.5	8.02	3867,3871	*06*,07
4286	59.4	+22 58	8.7	8.50	3878,4193,4195	12,*13*,01
4299	59.5	+30 41	7.5	*7.81*		▲ . .
4288	59.5	+23 2	9.0	9.48	3878,4193,4195	*20*,21,*01*
4606	59.6	+ 5 7	5.5	*5.94*		12,*03*,*10*
4297	59.7	+ 2 33	7.5	6.55	2735,2747,4180	*05*,*12*,16
4418	59.7	+ 1 54	7.0	*6.37*		. . ▲
14598	59.7	−36 39	7.7	7.82	3099,3108,3501	27,*22*,*05*
4229	59.9	+23 15	9.3	9.78	3878,3878,4193,4195	*20*,*18*,16,23
14379	59.9	−41 47	6.0	5.45	4163,4174,4185,4224,4561	12,*03*,09,*05*,*11*
922	0.0	+73 54	7.5	7.99	3491,3499	*11*,11
18382	0.0	−30 31	6.0	5.78	3095,3113,3497,3779,3781,3804,4163,4174,4185,4195,4202,4224,4539,4546,4561	*10*,20,*02*,*34*,15,08,*17*,*16*,*03*,09,*06*,10,04,21,*01*
14374	0.0	−37 59	7.7	7.41	3099,3108,3497	*01*,15,*14*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3987	0.1	+41 14	7.0	6.33	3801,3807,4179	*07*,*23*,31
5884	0.1	−15 18	7.4	7.89	2749,2754	07,*07*
3448	0.2	+49 57	6.2	6.47	3836,4170,4189,4197,4539,4542,4544	*17*,15,46,*31*,*11*,13,*12*
4470	0.2	+12 3	7.5	7.60	2720,2735	06,*07*
14568	0.2	−35 2	7.1	6.98	3095,3099,3501	*10*,10,00
3159	0.3	+46 29	6.5	6.30	3823,3836,3842	05,*09*,03
3797	0.3	+43 12	7.5	7.83	3801,3807	*05*,05
5355	0.3	− 4 45	7.0	7.20	2754,4173	08,*07*
5568	0.3	− 8 47	8.2	8.11	3144,3468,3495	*03*,09,*05*
6174	0.3	−17 38	4.0	4.11	3101,4173,4196	07,*21*,15
16398	0.3	−32 44	5.7	5.26	3095,3781,4163,4173,4174,4174,4185,4195,4202,4224,4225,4539,4546	19,*06*,*03*,02,02,*15*,05,*10*,*05*,07,05,*07*,10
1288	0.4	+67 47	6.8	*7.20*		. 04,*03*
4695	0.5	+18 16	7.3	7.48	2719,2720	00,00
4697	0.5	+ 5 34	6.2	*5.95*		. 03,*03*
2859	0.7	+52 53	5.5	6.07	3823,3855,4189	*12*,*20*,31
2542	0.8	+53 57	7.1	7.64	3823,3826	16,*15*
4317	0.8	+24 12	8.9	9.03	3878,4193,4195,4196	R,35,*08*,*27*
2470	1.0	+54 51	6.9	*7.16*		▲ . .
6127	1.0	−20 35	6.8	6.65	2758,3113,3873	*09*,04,06
4530	1.1	+14 56	7.0	6.72	2719,3488	*14*,18
16698	1.1	−28 37	7.4	7.44	2758,3113	*06*,07
14116	1.1	−39 5	7.5	7.37	3095,3099,3108	*10*,05,06
3800	1.3	+43 32	4.0	4.05	3801,4179,4197	13,*03*,*11*
16700	1.3	−28 33	7.0	6.96	2758,2758,3873	02,02,*03*
15235	1.3	−25 24	4.8	4.61	3100,4173,4193	*06*,*05*,11
4829	1.4	+20 33	6.5	6.72	3829,3864	*02*,02
4161	1.4	− 0 30	7.0	7.10	3145,3152,3468,3495	31,*19*,*09*,*01*
2991	1.5	+52 0	7.3	7.38	3823,3826	06,*07*
15255	1.5	−27 41	7.3	7.09	2758,3100	08,*08*
4501	1.6	+ 3 24	6.5	6.65	2719,2723,4180	*13*,*03*,17
5936	1.6	−14 19	7.2	7.27	2749,3101	*09*,09
5797	1.6	−16 22	7.3	7.29	2749,2754	07,*07*
18080	1.6	−31 28	7.5	7.22	3095,3099,3802	*07*,00,07
4106	1.7	− 1 22	7.7	7.18	2754,3145	*24*,23
5798	1.7	−16 9	7.3	7.44	2749,2754	12,*12*
6024	1.8	−19 29	7.0	6.68	3886,4173	00,00
1889	2.0	+62 59	6.5	7.26	3491,3499	01,*02*
5581	2.0	− 8 38	7.0	6.88	2754,3144,3886	*07*,*01*,09
4073	2.1	+26 32	6.3	6.23	3833,3841,3864	*02*,*01*,04
4613	2.1	+ 5 3	7.5	7.17	2719,2723	05,*05*
5862	2.1	−17 51	7.2	6.03	2749,2754,3878	20,*18*,*01*
5612	2.1	−22 44	7.8	7.72	2758,3100	09,*08*
2313	2.2	+59 51	7.0	*7.41*		▲ . .
4108	2.2	− 1 10	7.3	6.51	2754,3145,4173	*07*,00,06
4318	2.3	+30 47	5.6	*5.73*		. . ▲
4343	2.4	+38 15	5.0	4.96	4198	▲
4344	2.4	+38 15	5.3			
4168	2.4	− 0 33	7.2	6.82	2754,3144,3886	12,*11*,*02*
5683	2.4	− 5 59	7.8	7.58	3145,3152	00,00
5800	2.4	−16 2	7.7	7.64	2749,2754	12,*12*
14129	2.4	−37 39	6.9	6.77	3095,3099,3802	03,07,*09*
3286	2.5	+47 39	7.1	7.50	3823,3836	*04*,05
5456	2.5	− 2 27	7.0	6.77	3145,3152,3886	04,14,*17*
4178	2.7	+37 39	7.5	7.56	3859,3867	*05*,05
4162	2.7	+33 44	7.5	7.56	3866,3871	*08*,08
4663	2.7	+ 0 47	8.0	6.87	2742,2746,2748	14,*16*,03
2091	2.8	+61 26	7.3	8.11	3499,3504	*09*,09
5933	2.8	−21 36	5.3	*5.27*		. *12*,12
4322	2.9	+30 12	7.0	*7.51*		▲ . .
4340	2.9	+15 16	6.5	6.38	2719,2727	*10*,10
4248	3.0	+23 37	8.7	8.47	3878,4193,4195	11,02,*12*
4615	3.0	+ 4 46	6.5	6.67	2719,2723	05,*05*
4111	3.0	− 1 24	7.0	6.79	3145,3152,3468,3488	02,02,00,*03*
17136	3.0	−28 53	7.1	6.95	2758,3100,3100,3488,3495,3497	16,*34*,06,06,15,*11*
14403	3.0	−38 20	7.1	7.04	3095,3099,3802	*14*,00,14
14135	3.1	−37 6	6.7	6.58	3095,3099,3802	13,05,*17*
3292	3.2	+47 15	4.6	4.78	3823,3842,4197	08,*01*,*06*
4340	3.2	+32 6	7.5	7.68	3866,4174	08,*09*
4544	3.2	+14 16	7.7	6.82	2727,3113	10,*10*
15275	3.2	−27 31	7.5	7.71	3100,3113	*10*,10
2092	3.3	+61 47	7.3	7.58	3491,3499	*04*,04
3294	3.3	+47 47	7.3	7.50	3823,3836	00,*01*
3410	3.3	+45 17	7.0	*7.32*		▲ . .
3264	3.4	+51 1	7.4	7.54	3823,3826	16,*15*
16495	3.4	−24 2	7.4	7.08	2758,3100,3873	00,*18*,19
2552	3.5	+53 49	7.4	7.94	3823,3826	02,*02*
4471	3.5	+21 22	7.4	7.54	3829,3841	*15*,14
4754	3.5	+ 6 36	6.5	6.38	2719,2723,4180	*03*,*13*,15
6140	3.5	−20 36	7.0	6.78	2758,3130	18,*19*
3710	3.6	+44 16	7.5	7.42	3807,3823,3836	11,*13*,01
3297	3.7	+47 20	7.3	7.12	3836,3842	*08*,08
5690	3.7	− 5 59	7.0	6.77	3145,3152,3886	*09*,11,*02*
4431	3.8	+ 1 23	7.7	7.06	2742,2746	05,*05*
6193	3.8	−17 1	7.0	6.88	2749,2754,3878	05,*23*,17
1892	3.9	+62 31	6.8	7.10	3491,3499,4189	*04*,*04*,09
2226	3.9	+59 1	7.3	7.30	3779,3814	08,*07*
4060	3.9	+33 0	7.5	7.76	3866,3871	*12*,11
5940	3.9	−20 57	6.5	*6.14*		. *05*,06
3465	4.0	+49 23	7.4	7.30	3836,3842	11,*10*
4253	4.0	+23 43	8.2	7.94	3878,4193,4195	02,08,*10*

21^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4630	4.1	+ 7 13	7.0	7.40	2719,2723	*15*,15
4173	4.1	− 0 38	7.3	6.52	3145,3152,3886	*01*,*01*,01
5538	4.1	−11 47	5.2	*4.42*		. . A
18415	4.1	−30 8	6.9	6.75	3095,3099,3802	*13*,24,*11*
3711	4.2	+44 34	7.5	7.50	3807,3823	11,*10*
15419	4.2	−33 15	7.7	7.23	3095,3108,3802	*02*,10,*09*
2320	4.4	+59 29	7.5	7.52	3779,3814	03,*03*
2998	4.4	+51 11	7.2	7.11	3823,3826	12,*12*
4324	4.4	+29 48	6.1	*5.62*		*01*, . 00
17148	4.5	−28 54	7.5	7.86	3113,3517	*01*,00
4176	4.6	+33 13	7.2	7.96	3866,3871	*01*,00
5810	4.6	−16 6	7.2	7.38	2749,2754,3101, 3468,3495,3878, 3886	08,*36*,24, 01,12,*02*, *10*
R	4.7	−22 53	R	7.28	2758,3100	13,*14*
4069	5.0	+32 22	7.5	8.12	3866,3871	*05*,05
4311	5.0	+ 2 32	7.0	6.47	2719,2723,4180	*15*,15,00
2874	5.2	+52 49	7.0	7.29	3826,3855,3858	*01*,12,*11*
4719	5.2	+18 49	6.6	6.99	2720,2723,4180	*01*,*02*,04
5674	5.3	− 9 46	6.7	6.36	3468,4173,4195	01,*15*,13
3201	5.5	+46 52	7.1	7.06	3836,3842	*12*,12
4732	5.5	+ 9 44	4.0	*4.72*		. . A
2529	5.6	+55 42	7.5	7.86	3779,3814	*02*,02
2530	5.6	+55 38	7.5	*8.06*		A . .
4735	5.6	+ 9 38	6.2	*6.04*		*07*, . 08
1164	5.8	+71 2	6.0	6.04	3491,4170,4189	*02*,*21*,24
14216	5.8	−40 40	6.1	5.86	3488,4163,4166, 4174,4185,4195, 4202,4225,4546	05,01,*06*, *04*,00,05, 17,31,*19*
4358	5.9	+31 49	7.2	7.42	3866,3871	*12*,11
3427	6.0	+45 20	7.2	*7.52*		A . .
4485	6.0	+22 3	7.5	6.37	3829,3841,3864, 3871	*15*,12,02, 02
4486	6.0	+22 3	6.5			
4638	6.0	+19 33	7.3	7.52	2720,2723	*14*,15
4625	6.1	+ 9 8	7.4	7.70	2719,2723	*05*,05
4514	6.1	+ 3 31	7.5	7.77	2719,2723	05,*05*
18118	6.1	−31 0	7.2	7.06	3095,3108,3517	02,*01*,*01*
3429	6.2	+45 45	7.5	7.68	3836,3842	*01*,00
3822	6.2	+43 48	7.1	7.58	3807,3836	19,*20*
5908	6.2	−14 53	6.3	6.46	3878,3886	*10*,11
5140	6.3	− 3 31	7.4	7.56	3144,3145	05,*05*
6151	6.3	−20 44	7.3	8.06	2758,3100,3136	00,*12*,13
16518	6.3	−24 32	7.6	7.50	2758,3100	*05*,05
1288	6.4	+67 51	7.0	6.86	3109,3109,3833, 3833,3834,3834, 3836,3836,3840, 3840,3840,3841, 3841,3842,3842, 3843,3843,3852, 3852,3855,3855, 3857,3857,3858, 3858,3859,3859, 3860,3860,3864, 3864,3866,3866, 3867,3867,3871, 3871,3873,3873, 3878,3878,3880, 3880,3886,3886, 3895,3895,3897, 3897,3900,3900, 3901,3901,3903, 3903,3905,3905, 3911,3911,3913, 3914	*18*,*08*,*35*, *16*,*02*,*24*, *13*,*07*,00, *07*,*14*,12, 05,*21*,*04*, *23*,*02*,*02*, *01*,17,11, 08,*01*,04, *14*,*10*,24, *23*,01,03, *01*,12,11, *10*,*08*,04, 12,02,01, *23*,*10*,*01*, *22*,14,08, 11,*09*,26, 06,05,02, 32,24,25, 14,19,08, 02,08,*31*, 10
2533	6.4	+56 49	7.5	7.94	3779,3814	*06*,06
3718	6.4	+45 6	6.8	6.46	3842,3855	00,00
17166	6.4	−28 19	7.5	7.77	3100,3113	*11*,11
4446	6.5	+36 24	7.5	7.60	3859,3867	*13*,12
4117	6.5	− 1 17	7.5	7.71	3144,3145	00,00
14668	6.6	−36 10	7.3	7.34	3095,3099,3501	00,01,00
14152	6.6	−39 50	5.7	5.30	3100,3101,3501, 3503,3517,4166, 4174,4195,4202, 4225,4539,4546	*03*,*05*,03, 05,*30*,13, *12*,*05*,*17*, 14,50,*12*
5913	6.8	−15 24	7.5	7.24	2749,2754	22,*22*
4426	7.0	+35 53	6.5	6.38	3859,3867	*07*,06
4441	7.0	+ 1 14	8.3	7.85	2719,3130,3136	07,05,*13*
2880	7.1	+53 9	5.5	5.78	3140,3826,3855	02,07,*10*
3322	7.1	+47 17	7.0	6.36	3836,3842,4179	01,*08*,06
14676	7.1	−36 50	6.2	6.14	3501,3503,4166, 4181,4195,4202, 4225,4539,4545, 4546	*25*,*05*,07, 49,*10*,*03*, *22*,29,*08*, *12*
4083	7.2	+32 44	7.5	7.56	3866,3871	02,*01*
4097	7.2	+27 9	7.5	7.56	3833,3841	03,*04*
4729	7.2	+18 58	7.5	8.18	2720,2723	*20*,19
1903	7.4	+62 53	7.0	6.60	3491,3499,4189	*02*,00,01
4519	7.4	+17 21	7.3	7.32	2720,2723	06,*05*
4502	7.4	+11 22	7.1	7.20	2720,2723	*14*,15
17178	7.4	−28 2	5.8	5.54	3100,3113,4193	*28*,14,18
800	7.5	+77 43	6.1	6.04	3491,4170,4189	*06*,*12*,18
4432	7.5	+40 47	7.0	7.30	3859,3867,3871	*12*,07,04
4342	7.5	+29 18	6.8	6.73	3841,3864	*06*,06
15304	7.5	−25 15	7.3	7.52	3100,3113	03,*04*
16773	7.6	−23 10	7.5	7.46	2758,3100,3113	05,*02*,*02*
3438	7.7	+45 16	6.5	6.65	3842,3855	*04*,04
4351	7.7	+30 12	7.0	6.74	3866,3871	10,*09*
4319	7.7	+ 2 15	7.5	7.00	2719,2723,4180	*18*,12,05
4431	7.9	+35 14	7.3	*7.62*		A . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4322	8.0	+ 2 24	7.7	7.78	3144,3149	*15*,14
18458	8.0	−30 5	7.2	7.38	3095,3108,3501	*06*,*01*,06
2489	8.1	+54 55	7.3	*7.76*		▲ . .
679	8.2	+80 47	7.0	*6.93*		00, . 00
5712	8.2	− 6 19	7.5	7.58	3145,3152	00,00
5630	8.2	−22 38	7.0	6.88	3100,3113,3873	06,*04*,*02*
1552	8.3	+65 17	7.0	*7.75*		▲ . .
5518	8.3	− 6 53	7.3	7.38	3144,3145	*09*,10
6159	8.3	−20 30	7.3	7.86	3100,3113	*12*,13
2567	8.4	+54 1	7.5	8.14	3826,3855	02,*01*
4088	8.4	+32 50	7.4	7.52	3866,3871	*02*,03
4776	8.5	+ 6 49	7.5	7.40	2719,2723	05,*05*
2568	8.6	+53 21	6.5	6.90	3140,3814,3826,3855	00,*05*,02,03
4222	8.6	+38 9	7.5	7.13	3859,3867	*05*,05
4475	8.6	+16 32	7.3	7.42	2720,2723	*14*,15
4777	8.6	+ 6 45	7.6	7.18	2723,3491	07,*07*
4356	8.7	+30 23	7.5	*7.31*		▲ . .
4348	8.7	+29 49	3.0	3.27	3473,3841,3866	12,*17*,05
5881	8.7	−12 53	7.5	7.67	2749,3101	01,*01*
3842	8.8	+44 7	7.2	7.83	3807,3842	20,*20*
4435	8.8	+35 23	6.8	6.65	3859,3867	*15*,15
4375	8.8	+15 34	6.5	*6.20*		*11*, . 10
14440	8.8	−40 55	6.6	6.33	3804,4166	*09*,09
1554	8.9	+65 45	6.9	*7.25*		▲ . .
5553	8.9	−11 1	6.5	6.49	2749,2754,4173	12,*25*,15
2296	9.0	+58 3	7.3	7.71	3779,3814	*04*,04
18149	9.0	−31 24	7.5	7.34	3095,3108,3501	*01*,*04*,04
1366	9.1	+66 18	6.8	7.37	3109,3499	01,*01*
2540	9.1	+55 48	7.5	7.46	3779,3814	09,*09*
4336	9.1	+35 4	7.4	*7.47*		▲ . .
2570	9.2	+53 25	7.0	7.72	3140,3814	*02*,02
4197	9.2	+33 18	6.7	7.09	3866,3871,3880	02,17,*19*
5972	9.2	−21 12	7.5	7.86	3100,3113	*02*,03
2334	9.3	+59 35	6.0	5.71	3140,3779,3810	29,*06*,*23*
6165	9.3	−20 29	7.0	7.56	3100,3113	*02*,03
5635	9.3	−22 14	7.7	7.23	3113,3130,3136	*07*,*07*,13
4470	9.4	+36 13	6.5	6.05	3859,3867,3871	*06*,*05*,12
3850	9.5	+43 28	7.5	7.70	3807,3823,3855,4179,4183,4186	49,*19*,*16*,*12*,06,*05*
4186	9.5	− 0 19	6.7	6.49	3886,4173	01,*01*
4131	9.5	− 1 14	7.2	7.31	3144,3145	00,00
6216	9.5	−17 46	6.5	*6.06*		. . ▲
4746	9.6	+ 9 36	4.7	4.62	2719,4180,4200	*07*,05,03
5522	9.6	− 7 30	7.2	7.42	3144,3145	*05*,04
5613	9.6	− 8 46	7.3	7.32	3144,3145	*15*,14
14699	9.6	−36 38	6.5	6.29	3095,3099,3501,3503,3517	*02*,10,06,*06*,*06*
5929	9.7	−15 33	7.5	7.64	2749,2754	22,*22*
4490	9.8	+25 50	7.5	7.87	3833,3841	07,*07*
4528	9.8	+17 15	7.3	7.92	2720,2723	*04*,05
5720	9.8	− 5 58	7.0	7.18	3144,3145	01,00
3741	9.9	+44 45	7.5	*7.62*		▲ . .
4354	9.9	+29 29	7.0	6.25	3833,3841,3871	*16*,16,*01*
5160	9.9	− 2 59	7.0	7.06	3144,3152	*05*,05
5974	9.9	−21 4	5.5	5.30	3100,3113,4193	*16*,09,07
4501	10.0	+21 48	7.3	7.66	3473,3833	*09*,09
907	10.1	+74 50	7.0	7.00	3840,3900	*08*,07
3456	10.1	+45 12	7.5	*7.47*		▲ . .
4235	10.1	+37 21	7.3	7.34	3859,3867	*17*,18
4379	10.1	+16 4	6.8	*6.74*		▲ . .
16479	10.1	−32 14	7.3	7.35	3095,3108,3517	*07*,03,05
5935	10.2	−15 35	5.0	*5.51*		*01*, . 01
2342	10.3	+59 42	7.5	*7.06*		▲ . .
4203	10.3	+33 53	7.0	7.02	3866,3871,3880	04,05,*10*
5698	10.4	− 9 32	7.2	*7.51*		▲ . .
4449	10.5	+40 44	7.0	7.17	3859,3871,3880	*03*,11,*08*
4409	10.5	+38 50	7.1	7.29	3871,3880	25,*25*
5891	10.5	−13 37	6.5	6.52	2749,2754,4173	26,*14*,*11*
1171	10.6	+70 25	7.2	*7.59*		▲ . .
4743	10.6	+18 12	7.5	8.22	2720,2723	*04*,05
1151	10.7	+70 2	6.8	7.22	3840,3900	*11*,11
2892	10.8	+52 18	7.1	7.82	3140,3810	08,*09*
4240	10.8	+37 37	4.0	3.68	3859,3867,4198	*06*,06,00
4496	10.8	+10 23	8.0	*8.82*		▲ . .
4635	10.8	+ 4 50	4.5	4.23	2719,4180,4200	19,00,*20*
5700	10.9	− 9 38	7.0	6.77	3143,3145,4173,4192	*06*,*01*,*23*,31
4486	11.0	+16 19	6.5	6.90	2723,2727,4180	*13*,08,06
6170	11.0	−20 36	7.3	7.56	3100,3113	*22*,23
4498	11.1	+11 5	7.5	7.36	2720,2723	*10*,09
5701	11.1	− 9 35	8.1	7.34	3143,3144	*03*,03
682	11.2	+80 36	7.0	*7.13*		▲ . .
742	11.2	+78 15	7.5	7.36	3472,3499,3499	*30*,12,19
2578	11.2	+54 4	7.5	7.86	3810,3840	08,*09*
4499	11.2	+10 17	7.5	7.49	2719,3467,3468,3491	16,*01*,*17*,03
2303	11.3	+57 53	6.5	7.02	3140,3810,3840	*12*,09,03
4666	11.3	+19 17	7.2	7.32	2723,2727	15,*14*
2498	11.4	+54 15	7.0	7.50	3140,3810	10,*11*
18175	11.4	−31 10	7.2	6.94	3095,3108,3517	11,*02*,*10*
5495	11.5	− 2 2	6.8	6.41	3143,3144,3886	*03*,00,02
14192	11.5	−39 15	7.3	6.78	3095,3108,3501,3503	15,12,*06*,*20*
4056	11.6	+41 36	6.5	6.76	3807,3823,3836,3842	33,07,*25*,*14*
4492	11.6	+36 50	7.2	7.67	3867,3871	*10*,10
4398	11.6	+31 39	7.3	7.99	3866,3871	02,*02*
4357	11.6	+25 1	6.7	*7.06*		▲ . .
5636	11.6	−10 33	7.2	6.85	2749,2754,3143,	*04*,*51*,03,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3144,3468,3878,3886,4178,4180,4182	10,03,*07*,10,04,20,08
1708	11.7	+63 59	6.4	6.41	3499,3504,3900,3905	*14*,08,R,05
2547	11.7	+56 28	7.5	7.12	3140,3810	08,*09*
4639	11.7	+ 4 51	7.5	7.78	2719,3491	*06*,07
5897	11.8	−13 42	6.7	6.18	2749,2754,3878	20,*20*,*01*
15357	11.8	−26 54	8.2	8.10	3113,3475,3488,3517,3519,3826,3829,3841,4192,4192,4193,4193,4195,4195	03,*01*,*03*,02,*18*,22,05,21,*01*,06,00,*08*,*27*,06
3290	11.9	+50 52	7.0	7.08	3140,3810,4179	02,*18*,17
3754	11.9	+44 32	7.2	7.62	3801,3807	*25*,24
4498	11.9	+25 56	7.2	7.26	3833,3841	*04*,03
16498	11.9	−32 35	4.9	4.73	3100,3101,3113,3497,3517,3519,3781,3802,3857,3858,3873,3878,3886,4166,4181,4195,4225,4545,4546	*10*,24,*03*,*22*,23,27,*54*,*07*,15,*27*,10,06,13,*10*,28,*10*,*09*,13,01
4658	12.1	+13 32	7.5	7.42	2723,2727	05,*04*
14965	12.1	−34 25	7.3	7.41	3517,3519,3802,3873,3878,3886,4173,4182,4542,4544,4545	*21*,43,06,01,15,*01*,*09*,*12*,*23*,04,00
3348	12.2	+47 33	6.3	6.32	3836,3842,3843	04,*08*,03
5903	12.3	−18 24	5.8	5.44	3101,3112,3886	*06*,04,03
5730	12.4	− 6 12	7.5	7.49	3101,3112	00,00
4658	12.5	+ 7 49	8.0	*7.25*		. A .
3866	12.6	+43 49	6.3	6.57	3801,3807,3823,4179,4183,4198	*21*,48,*15*,*07*,*13*,07
4457	12.6	+35 54	7.0	7.40	3867,3871,3880	12,01,*12*
1152	12.7	+69 38	6.5	6.81	3900,3903,4170,4179,4188	*08*,26,*27*,*08*,15
4067	12.7	+41 50	6.3	6.53	3801,3807,3823	*19*,30,*10*
5904	12.7	−17 53	7.5	*6.31*		. A .
6178	12.7	−20 45	6.8	6.77	3873,4173	*04*,04
1515	12.8	+64 20	7.2	6.92	3499,3504,4170	19,*02*,*16*
5512	12.9	− 4 57	6.0	5.53	3143,3468,3495	01,05,*06*
778	13.0	+75 53	6.8	7.10	3900,3905,3911,3911,4179,4183,4185	R,04,07,00,05,*06*,*07*
3329	13.0	+48 22	7.0	7.47	3836,3842	*08*,08
4509	13.0	+22 7	6.8	7.20	3473,3833	07,*06*
17692	13.0	−29 11	6.5	6.43	3130,3136,3857	*24*,12,13
16512	13.0	−32 47	7.0	7.05	3108,3517,3519,3802	21,00,*06*,*16*
14200	13.0	−39 46	7.5	7.37	3497,3501,3503	*08*,16,*09*
4673	13.1	+19 35	7.3	7.62	2723,2727	05,*04*
4218	13.3	+34 1	7.0	7.38	3866,3871	*01*,00
4543	13.3	+17 13	7.2	7.72	2720,2723	*14*,15
4769	13.4	+ 9 50	7.0	7.34	2719,3467	11,*10*
4431	13.5	+38 59	4.5	*4.24*		. . A
4046	13.6	+42 16	6.4	6.13	3843,4179,4197	*05*,08,*03*
4513	13.6	+21 41	7.0	7.12	3473,3833	02,*02*
4510	13.7	+39 19	7.5	7.58	4174,4183	00,*01*
4432	13.7	+38 47	7.0	6.93	3859,4174,4183	09,07,*15*
4648	13.7	+ 8 32	8.0	7.29	2727,4180,4187,4187	*24*,13,07,04
5840	13.7	−16 36	6.8	6.93	2749,2754,3468,3495	23,*31*,08,*01*
744	13.8	+78 34	6.8	6.98	3467,3472,3499	*11*,*01*,11
4371	13.8	+84 29	4.2	*4.40*		. . A
4546	13.8	+17 18	7.3	7.57	2723,2735	10,*10*
4514	13.8	+11 9	7.0	6.97	2720,2735,4180	*21*,07,14
980	13.9	+72 45	7.3	7.55	3472,3499	*04*,04
1522	13.9	+64 42	7.5	*8.30*		A . .
2588	13.9	+53 34	5.8	5.96	3810,3840,4197	05,*08*,03
4548	13.9	+17 34	7.0	7.22	2723,2735	05,*05*
5904	13.9	−13 28	7.2	6.72	2749,2754,3468,3495,3886,4173,4180,4182	26,*34*,*06*,03,*15*,*06*,16,13
15541	14.0	−26 46	6.7	6.50	3130,3130,3136	*11*,03,09
15377	14.0	−27 38	7.3	6.87	3113,3130,3857	04,*12*,07
4516	14.1	+10 47	6.3	6.26	3897,4180	*14*,15
4370	14.2	+24 14	6.5	6.64	3841,3864	13,*12*
1299	14.3	+67 56	7.5	*7.62*		. 12,*11*
2549	14.3	+55 22	6.0	6.22	3779,3840,4197	*13*,00,13
5997	14.3	−14 27	6.7	7.14	3886,4173	*03*,03
18522	14.3	−30 52	7.3	7.33	3108,3130,3517	02,*05*,04
14738	14.4	−36 8	7.5	7.77	3099,3108,3497,3501	18,*02*,*22*,05
14475	14.4	−41 14	4.8	4.80	3488,3491,3783,3804,3857,3858,4166,4202,4203,4225,4545	*09*,13,*54*,02,30,*13*,07,*14*,06,45,*08*
3261	14.5	+46 26	6.6	7.00	3836,3842,3843	02,*06*,05
4549	14.5	+17 24	6.8	6.63	2723,2735,4180	*06*,14,*08*
2309	14.6	+58 10	6.5	6.41	3810,3814,3843	*07*,13,*05*
2551	14.6	+56 21	7.3	7.36	3810,3814	10,*10*
5910	14.6	−13 25	8.6	8.43	2749,2754,2761,3468,3468,3495,3878,3886,3886,4173,4173,4180,4180,4182,4182,4200,4200,4201,4201,4202,4202	05,*45*,*34*,19,13,10,R,*05*,05,12,07,*11*,07,*02*,*08*,02,07,*09*,*21*,17,31

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3035	14.7	+52 3	7.4	7.48	3810,3840	00,00
4378	14.7	+29 19	7.4	7.12	3841,3864	*07*,06
4518	14.7	+21 57	7.5	7.50	3473,3833,3841	*01*,*07*,07
5999	14.7	−13 56	7.5	7.04	2749,2754,3468,	14,*36*,21,
					3495,3878	*02*,01
3877	14.8	+43 31	5.3	5.07	3801,3807,4197	*22*,29,*06*
4416	14.8	+31 46	7.3	7.33	3864,3866	00,00
4651	14.8	+9 6	7.0	6.77	2719,3488	*12*,12
4485	15.0	+40 37	6.5	6.19	3864,3867	*08*,08
4519	15.1	+39 19	6.8	6.56	3864,3871	*04*,04
2593	15.3	+53 45	7.4	7.37	3810,3826,3840	*08*,02,05
3499	15.3	+49 39	7.0	7.20	3836,4179	*05*,04
4600	15.3	+12 33	7.3	7.34	2723,2735	01,00
5992	15.3	−21 15	7.2	7.08	3108,3130	12,*12*
4445	15.4	+38 23	7.3	6.93	3864,3871,4174	*11*,20,*10*
4271	15.4	+37 49	6.2	5.83	3864,3871,3880	14,05,*17*
4502	15.6	+16 23	7.0	7.47	2723,2735	*10*,10
4521	15.7	+21 37	6.0	6.22	3473,3833,3841	08,*11*,02
5524	15.8	−5 0	6.2	5.97	3886,4173,4195	02,*04*,01
2109	15.9	+61 21	7.5	7.53	3472,3499	*12*,12
17721	15.9	−29 36	6.7	6.76	3108,3113,3857	03,*13*,09
3345	16.0	+49 6	5.4	5.82	3836,4179,4197	14,*05*,*09*
2217	16.1	+60 45	7.0	6.80	3810,3840,4179	05,*10*,05
2111	16.2	+62 10	3.0	2.63	3468,3469,3473,	*19*,25,03,
					3475,3488,3491,	04,23,45,
					3495,3503,3517,	12,*37*,*01*,
					3519,3525,3779,	23,*05*,*21*,
					3783,3802,3807,	05,07,12,
					3830,3833,3834,	12,*07*,*09*,
					3840,3842,3843,	06,*44*,38,
					3852,3857,3858,	02,20,*44*,
					3859,3860,3880,	10,24,*18*,
					3886,4157,4168,	*13*,*14*,*39*,
					4165,4166,4170,	*26*,*10*,*18*,
					4179,4180,4181,	05,02,00,
					4185,4186,4189,	15,06,19,
					4197,4198,4200,	*05*,08,18,
					4201,4202,4206,	*04*,*18*,*07*,
					4208,4223,4224,	15,*20*,00,
					4228,4243,4252,	36,*10*,08,
					4253,4256,4539,	14,19,*18*,
					4542,4545,4546,	*17*,14,00,
					4551,4553,4554,	*03*,*16*,*01*,
					4561	06
3042	16.2	+51 54	7.2	7.21	3810,3840	00,00
4128	16.2	+33 4	6.7	6.84	3864.3866,3871	*13*,13,01
4802	16.2	+6 56	6.0	*6.02*		. 02,*03*
4345	16.3	+2 33	8.0	7.12	3144,3149	*09*,10
5850	16.3	−16 42	7.5	7.19	2749,2754	17,*17*
2913	16.4	+52 38	6.5	6.81	3810,3826,3840,	21,12,*30*,
					3843	*04*
4346	16.4	+2 28	8.5	7.62	3144,3149	*19*,20
2249	16.5	+58 13	5.6	5.80	3810,3814,4197	00,*13*,14
4294	16.5	+23 27	5.9	*5.84*		. . A
4786	16.5	+9 55	6.5	6.81	2719,4180	*16*,16
14738	16.5	−35 21	7.5	7.40	3497,3501,3503	*17*,10,06
4425	16.6	+32 2	6.7	6.52	3468,3864,3866	*08*,*04*,12
5724	16.6	−9 45	7.0	6.92	3101,3112,3886	13,*05*,*09*
688	16.7	+80 23	6.5	*7.20*		A . .
2112	16.7	+61 25	6.7	6.64	3472,3499,3900,	*08*,*07*, R,
					3905,4170,4179,	R,*05*,21,
					4183	*02*
2312	16.7	+57 53	6.8	7.05	3810,3814,3840	*02*,*08*,10
2517	16.7	+55 1	7.2	*7.16*		A . .
2916	16.7	+52 33	6.9	6.93	3810,3826,3840	08,*08*,*01*
6245	16.7	−17 16	4.2	*4.26*		. . A
17732	16.7	−29 52	7.3	7.21	3108,3113	*02*,02
833	16.8	+76 36	6.0	6.31	3499,3900,4170,	T,15,*15*,
					4189	*01*
4714	16.8	+0 57	7.3	6.82	2719,2723,4180	*10*,*10*,19
1574	17.0	+65 34	6.8	*7.60*		A . .
4894	17.0	+20 53	7.5	7.81	3473,3833	03,*03*
4134	17.1	+32 11	6.0	5.94	3468,4174,4189,	12,*20*,43,
					4539,4542,4544	01,*38*,02
4551	17.1	+3 54	7.0	6.92	2719,2723,4180	*10*,20,*10*
3281	17.2	+46 30	7.4	7.80	3836,3842	*15*,15
4529	17.2	+39 55	6.5	6.56	3864,3871	*08*,08
5188	17.2	−3 34	7.0	6.65	3112,3143,3886	06,*07*,00
1527	17.3	+64 27	5.5	5.26	3472,4170,4189,	*31*,08,48,
					4539,4542,4544	*36*,*01*,11
2561	17.3	+56 8	7.5	7.74	3810,3814	*04*,03
16877	17.3	−23 5	6.0	5.71	3100,3120,4193	*17*,07,10
5743	17.4	−6 4	7.0	7.12	3112,3143	*13*,12
14519	17.4	−38 10	7.5	7.46	3501,3503,3517,	18,*07*,*11*,
					3519	*01*
4691	17.5	+19 23	4.4	4.25	2723,4180,4200	02,*08*,05
690	17.6	+80 48	6.3	*6.02*		08, . *07*
811	17.6	+78 10	7.0	7.18	3472,3504	*04*,04
4348	17.6	+2 30	7.2	*6.61*		. . A
5728	17.6	−9 44	6.5	6.28	3101,3112,3886	*03*,*01*,04
3283	17.7	+46 18	6.5	6.71	3842,3843,4179	*24*,19,05
2224	17.8	+60 15	6.5	*6.73*		03, . *03*
4811	17.9	+6 23	5.1	*5.24*		. 07,*07*
1528	18.0	+64 11	7.5	*8.20*		A . .
2227	18.0	+60 21	6.8	*6.24*		07, . *08*
3381	18.0	+47 44	6.7	7.56	3842,3843	12,*13*
14503	18.0	−41 26	6.1	5.74	3488,3491,3804,	*19*,19,*19*,
					3857,3858,4166,	09,*09*,01,
					4203,4545	10,08
2565	18.1	+56 6	7.4	7.42	3810,3814	*02*,02

21^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
15399	18.2	−25 38	6.8	6.67	3108,3113,3857	04,*11*,06
4533	18.3	+36 44	7.0	7.52	3468,3864	09,*08*
4397	18.4	+29 53	6.5	6.19	3833,3841	*23*,23
4404	18.4	+16 4	7.5	7.62	2735,2742	*05*,05
4350	18.4	+ 2 21	7.7	7.04	3144,3149,3488,3491	19,*32*,00,11
6007	18.4	−21 16	5.3	5.31	3100,4173,4193	*12*,08,05
16889	18.4	−23 11	6.8	6.48	3100,3120,3857,3873	*14*,10,14,*12*
3357	18.5	+48 58	5.5	5.91	3804,4179,4197	*03*,07,*03*
16622	18.5	−24 4	7.5	7.32	2758,3120	*04*,04
16624	18.5	−24 51	6.8	6.58	3120,3149,3873	*05*,*02*,07
14761	18.5	−35 24	7.3	6.95	3497,3501,3503	*12*,15,*02*
16890	18.6	−23 44	7.4	7.38	2758,3149,3857	00,*06*,07
4471	18.8	+38 12	7.0	6.45	3468,3864,3871	*07*,*05*,13
4692	18.8	+13 37	7.2	6.71	2742,2746,4180	06,*04*,*02*
5923	18.8	−13 19	6.0	5.51	3143,4173,4195	04,01,*06*
4502	18.9	+40 30	7.2	7.23	3143,3144,3145,3497,3499,3514,3826,3829,3840,4174,4183,4183,4186,4186,4187,4187,4189,4189,4192,4192	*03*,*23*,*13*,06,*04*,02,00,16,39,*11*,*07*,18,*09*,*06*,08,*01*,23,*20*,*07*,*06*
4472	18.9	+38 16	7.5	7.30	3468,3864	*10*,09
3360	19.1	+49 3	7.0	6.93	3804,3807,4179	*12*,*02*,13
14765	19.1	−35 17	7.1	6.85	3099,3108,3497	00,07,*08*
4537	19.3	+36 58	6.3	6.65	3880,4174,4189	*12*,*16*,27
4537	19.3	+21 31	7.2	7.62	3473,3838	01,00
5553	19.3	− 7 9	7.3	7.01	3101,3112,3143,4173	18,*02*,*07*,*08*
4300	19.4	+23 51	5.8	*5.77*		. . A
2609	19.5	+53 48	7.2	7.78	3810,3840	04,*04*
5750	19.5	− 6 1	7.3	7.39	3101,3109	00,00
319	19.6	+86 37	7.0	*7.36*		*02*, . 02
1720	19.6	+63 55	7.3	7.50	3472,3499	04,*05*
3901	19.6	+44 5	7.0	7.04	3801,3804,4179	*13*,03,11
4800	19.6	+ 9 44	6.5	*6.39*		06,06,*13*
5444	19.6	− 3 50	6.7	*6.41*		. . A
4542	19.7	+39 35	6.8	*7.17*		A . .
4543	19.7	+36 55	6.0	6.53	3880,4174,4189	*18*,00,18
4394	19.7	+24 54	6.5	6.18	3829,3833,3841	*05*,02,03
5668	19.8	−10 11	5.5	5.61	3100,4173,4195	*09*,07,01
4305	19.9	+24 6	6.2	6.38	3829,3833,4198	03,00,*02*
6020	19.9	−14 43	7.2	6.72	4173,4539,4545	*02*,03,00
16641	20.0	−24 16	6.8	6.63	2758,3120,3857	05,13,*19*
4428	20.1	+30 29	6.7	6.58	3841,3864	02,*01*
4531	20.1	+25 45	5.0	*5.73*		. . A
5446	20.1	− 3 59	5.6	*5.82*		. *13*,12
3294	20.2	+46 44	7.2	7.10	3807,3823	16,*16*
14551	20.2	−38 16	6.0	5.73	3100,3108,3113,3155,3491,3495,3497,3501,3517,3519,3783,3802,3857,3858,3860,4173,4182,4183,4203,4206,4544,4545,4551	*34*,09,15,*62*,21,27,*15*,*07*,*12*,*20*,33,09,14,*14*,08,*12*,11,*14*,08,02,18,17,*05*
15418	20.3	−24 55	7.3	7.19	2758,3108	*04*,04
14802	20.3	−36 53	7.5	7.86	3501,3503,3517,3519	13,*02*,*15*,02
4533	20.4	+25 27	7.0	*7.06*		A . .
4577	20.5	+18 2	7.0	7.47	2742,2746	10,*10*
2530	20.6	+54 51	7.0	*7.66*		A . .
3055	20.6	+51 13	6.7	6.88	3810,3823,3826	*04*,14,*10*
3395	20.6	+48 7	7.1	7.36	3807,3823	00,01
4151	20.6	+26 58	7.0	*6.88*		. . A
R	20.6	−42 59	. .	5.54	3155,3804,3857,3858,4173,4196,4203,4544	R,*21*,33,*19*,*23*,*02*,15,18
3372	20.7	+48 23	7.5	7.31	3807,3823	06,*06*
6016	20.7	−21 26	7.5	7.27	3108,3517,3519	03,18,*20*
4215	20.8	+ 0 6	6.8	6.38	2742,2746	00,00
4085	20.9	+29 1	7.3	7.16	3829,3838	*02*,01
2318	21.0	+57 31	7.5	7.78	3810,3814	03,*03*
4609	21.0	+15 10	6.8	6.97	3897,4180	*11*,11
5994	21.0	−12 32	7.5	6.65	2749,2754,4173	06,*11*,06
R	21.0	−22 51	R	4.07	4193,4542,4544,4545	*08*,53,*37*,*08*
1062	21.2	+71 39	6.8	7.02	3499,3504,3901,3905	*18*,*02*, R,19
1535	21.2	+64 35	7.4	7.38	3472,3499	*03*,04
3529	21.2	+46 4	7.5	7.90	3807,3823	07,*06*
4409	21.2	+34 19	7.4	7.96	3468,3841	*02*,01
1536	21.3	+64 37	7.2	7.08	3472,3499	14,*15*
2533	21.4	+54 57	7.3	*7.96*		A . .
4726	21.4	+ 0 40	6.8	*6.40*		28, . *29*
6098	21.4	−19 30	7.5	7.80	2749,2754,3488,3495,3497,3499,3503,3886,4173,4180,4182	10,*52*,04,*17*,10,07,04,12,05,08,09
603	21.5	+83 50	7.5	*7.06*		A . .
3376	21.5	+48 54	6.5	6.44	3807,3823,3842	03,*06*,04
4093	21.5	+42 22	7.5	7.46	3801,3804	05,*04*
4582	21.5	+17 37	6.8	6.76	2746,2747,3897	01,*28*,28
4809	21.5	+ 9 42	7.3	*7.67*		A . .
6020	21.5	−21 37	6.4	6.03	3095,3130,4173,4542,4544,4545,4546,4546	R,*07*,*17*,35,*04*,*02*,01,*08*
15576	21.5	−33 19	7.5	7.96	3517,3519,3802,	*14*,*05*,14,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4173	03
2233	21.6	+60 23	7.3	*7.61*		▲ . .
3305	21.6	+46 17	6.0	5.54	3475,3807,4197	*03*,*01*,04
4557	21.7	+36 14	6.0	*5.90*		. . ▲
17287	21.7	−28 10	7.8	7.51	3108,3113	03,*03*
4794	21.8	+18 58	6.7	6.06	2746,2747,3897	01,*08*,08
3333	21.9	+50 42	7.3	*7.77*		▲ . .
5747	21.9	−9 14	7.5	7.44	3100,3101	*12*,11
1935	22.0	+62 34	7.3	7.20	3472,3499	05,*05*
4708	22.0	+13 16	7.0	7.08	2746,2747	*01*,00
6026	22.0	−14 2	7.3	6.80	2749,2754,3886	28,*12*,*16*
2322	22.1	+57 39	7.1	7.06	3810,3814	05,*04*
4919	22.1	+20 18	7.3	*7.70*		▲ . .
4547	22.1	+10 15	7.3	7.00	3897,4180	*05*,06
5565	22.1	−7 26	7.5	7.52	3100,3101	*16*,17
1214	22.3	+69 7	7.0	7.03	3149,3472	01,*01*
4160	22.3	+33 9	6.9	7.92	3841,3864,3871	*21*,*01*,21
4675	22.3	+4 58	7.0	*6.74*		05,*04*, .
5998	22.3	−12 6	7.3	6.83	2749,2754,3886	*02*,*19*,21
4416	22.4	+15 41	6.5	6.76	3897,4180	*06*,05
2935	22.5	+52 26	7.5	7.56	3810,3828	*07*,07
4524	22.7	+40 19	7.5	*7.87*		▲ . .
4564	22.7	+37 5	7.5	7.89	3841,3864	*05*,05
14299	22.7	−37 51	7.5	7.58	3501,3517,3519	24,*14*,*09*
6005	22.9	−12 1	7.0	6.50	2749,2754,3886	11,*26*,14
737	23.0	+82 6	7.5	*7.83*		▲ . .
1166	23.0	+69 35	7.5	7.71	3149,3472,4170,4179,4183	*07*,*02*,*01*,*05*,14
3929	23.0	+43 23	7.3	7.32	3475,3801	*07*,07
4362	23.0	+2 46	7.3	7.41	2742,2746	10,*10*
5692	23.0	−22 15	5.7	*4.66*		. *15*,14
18291	23.1	−31 41	6.5	6.43	3099,3108,3517	16,*03*,*12*
4568	23.2	+36 41	5.0	5.25	3871,4174,4198	*11*,02,10
5217	23.2	−3 20	7.3	6.88	2755,3100,3101	*09*,*07*,15
836	23.3	+76 40	6.5	6.68	3149,3807,3900,3905,4170,4179,4183	21,*28*,09,16,*23*,*10*,14
3390	23.3	+48 24	5.5	5.25	3842,4177,4197	*16*,09,08
4164	23.3	+27 11	5.4	*5.40*		. . ▲
4549	23.3	+21 18	7.0	*7.05*		. . ▲
14569	23.3	−38 32	7.3	7.50	3099,3108,3501,3503	01,00,02,*01*
2939	23.4	+52 28	5.8	6.10	3810,3823,4197	22,14,*37*
4696	23.5	+7 46	6.5	6.66	2742,2746,2747,3897	18,*12*,*11*,04
5753	23.5	−9 25	7.5	7.18	2755,3100	*05*,04
787	23.6	+76 7	6.7	6.89	3900,3901,3905,3911,3911,3911,3911,4170,4179,4183	33,*43*,28,R,R,R,*64*,06,15,28
14572	23.7	−38 8	7.3	7.10	3099,3108,3501,3503	07,*06*,13,*16*
4422	23.8	+34 59	6.8	*7.02*		▲ . .
4462	23.8	+31 47	5.8	5.72	3864,4174,4198	*02*,05,*02*
4554	24.0	+10 41	6.5	*6.70*		▲ . .
1169	24.1	+70 3	7.4	*7.24*		▲ . .
4419	24.1	+29 48	7.5	*7.76*		▲ . .
4788	24.1	+5 43	8.7	8.98	4539,4542	*04*,03
3549	24.2	+46 8	7.1	6.88	3807,3823,4179	*07*,09,*01*
4542	24.2	+25 31	6.5	6.71	3829,3833	06,*06*
4543	24.2	+25 59	7.5	7.60	3829,3833	*04*,04
6039	24.2	−14 28	7.0	*7.11*		▲ . .
4592	24.3	+17 29	6.5	6.36	2747,2748,3897	*18*,01,16
4573	24.4	+11 31	7.5	7.39	2742,2746	*05*,05
6107	24.4	−19 36	6.5	6.50	3495,3503	*07*,08
4555	24.5	+21 45	5.5	*6.10*		. . ▲
14285	24.5	−39 5	7.5	7.36	3099,3108,3501,3503	06,07,01,*13*
1942	24.6	+63 9	7.0	7.52	3149,3472	*08*,09
2383	24.6	+59 19	6.4	6.46	3823,3826	08,*07*
4790	24.6	+6 9	6.5	6.68	3897,4180,4539,4542,4545	R,04,*14*,22,*12*
15459	24.6	−25 38	7.8	7.44	3113,3120	*18*,17
2136	24.7	+61 39	6.5	*7.56*		. ▲ .
2945	24.7	+52 52	6.7	7.18	3810,3823,3826	16,01,*17*
3420	24.8	+48 0	7.4	7.42	3475,3807	*13*,12
14317	24.8	−37 0	6.9	7.53	3099,3108,3501,3503	00,*07*,04,04
788	24.9	+75 32	6.8	*7.52*		▲ . .
4076	24.9	+28 9	6.8	6.83	3829,3833,3880	14,*02*,*11*
15647	25.0	−26 9	7.3	7.38	3113,3120	*02*,03
4570	25.1	+39 52	7.5	*7.82*		▲ . .
4577	25.2	+11 43	neb.	R		. . ▲
6047	25.2	−14 44	7.0	6.77	3886,4180	02,*02*
3534	25.3	+49 20	7.0	6.78	3807,3823,3842	07,*08*,02
4939	25.3	+20 31	7.2	*8.00*		▲ . .
3832	25.4	+44 29	6.5	6.84	3823,3842	*08*,09
2139	25.5	+61 40	6.5	*6.89*		. ▲ .
3941	25.5	+43 54	7.0	7.52	3801,3804,3842	*03*,11,*07*
4325	25.5	+23 12	4.5	4.81	3829,4174,4198	07,03,*11*
4594	25.5	+18 9	7.2	7.18	2746,2747	09,*10*
2544	25.7	+54 59	6.1	*6.06*		*10*, . 11
1405	25.8	+66 22	5.5	5.35	3149,3472,3499,3900	09,*15*,*15*,22
3558	25.8	+46 6	5.4	*5.38*		. . ▲
4545	25.8	+35 45	7.5	7.63	3841,3864	*03*,08
6113	25.8	−19 41	7.3	*7.28*		▲ . .
15465	25.8	−25 45	7.8	7.84	3113,3120	12,*13*
14550	25.8	−41 38	5.7	5.31	3155,3491,3804,3858,3860,4173,	R,*21*,*19*,*04*,06,*09*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
					4196,4203,4544	07,22,20						3473,3475,3495,	44,*01*,*14*,
16620	25.9	−31 59	7.5	7.81	3517,3519,3802	13,04,*17*						3499,3503,3505,	04,19,01,
3559	26.0	+46 0	6.7	6.82	3823,3842	06,*07*						3514,3525,3531,	*11*,60,09,
3560	26.0	+45 42	7.4	*7.62*		A . .						3783,3802,3804,	*30*,15,18,
3561	26.0	+45 27	7.5	*7.87*		A . .						3823,3833,3834,	*25*,*11*,08,
4436	26.0	+35 2	7.0	*7.17*		A . .						3836,3840,3842,	22,01,*28*,
15467	26.0	−25 52	7.3	7.18	3113,3120	08,*07*						3843,3857,3858,	*33*,*09*,*07*,
4549	26.1	+41 5	7.4	7.24	3841,3864	*02*,03						3859,3860,3866,	*12*,*20*,*35*,
5696	26.2	−10 11	7.0	7.82	2749,2754	22,*21*						3867,3880,3886,	*09*,*19*,33,
15110	26.2	−34 24	6.1	5.90	3108,3113,3469,	06,*03*,*07*,						4163,4165,4166,	*37*,21,13,
					3491,3495,3497,	21,23,*26*,						4170,4177,4179,	06,*13*,09,
					3517,3525,3783,	07,09,*26*,						4181,4186,4187,	00,05,11,
					3802,3857,3860,	*08*,18,18,						4189,4192,4193,	58,19,*11*,
					3873,4173,4192,	*09*,04,15,						4196,4197,4200,	*04*,*14*,*19*,
					4195,4196,4203,	*06*,04,05,						4201,4203,4206,	32,11,*10*,
					4206,4225,4225,	12,07,*20*,						4208,4223,4224,	11,*40*,13,
					4225,4225,4225,	*13*,*09*,13,						4225,4228,4243,	13,*15*,08,
					4225,4225,4225,	*03*,07,*03*,						4252,4253,4256,	29,11,05,
					4228,4228,4228,	*03*,*04*,09,						4539,4542,4551,	*41*,*28*,02,
					4228,4228,4228,	15,*06*,*06*,						4553,4554,4561	*13*,03,*05*
					4228,4228,4233,	*06*,*06*,*10*,	1407	27.4	+66 37	6.5	6.90	3149,3155,3900	04,*13*,09
					4238,4233,4233,	*07*,*02*,*05*,	4579	27.4	+39 38	7.1	7.35	3841,3864	00,00
					4243,4243,4243,	00,04,*14*,	4570	27.4	+10 28	7.0	*7.14*		*02*,02, .
					4248,4252,4252,	*15*,*09*,13,	4697	27.6	+ 4 26	7.5	7.26	2727,2742	*04*,05
					4252,4252,4253,	10,05,00,	4123	27.7	+42 16	7.1	7.07	3801,3804	07,*07*
					4253,4253,4253,	*04*,*32*,*11*,	17347	27.7	−28 20	7.7	7.46	3113,3120	02,*02*
					4259,4259,4259,	35,16,13,	*707*	27.8	+80 5	6.0	6.21	3499,4170,4189	*11*,*11*,22
					4259,4542,4544,	07,*44*,06,	3446	27.8	+47 55	7.0	7.62	3475,3807	05,*05*
					4544,4544,4545,	05,*01*,02,	3078	27.9	+51 45	6.8	6.83	3810,3823,3826	*03*,04,*01*
					4545,4546,4546,	*07*,27,12,	3448	27.9	+47 50	7.4	7.84	3475,3807	*05*,06
					4551	*07*	4418	27.9	+22 56	7.0	6.44	3473,3829,3833	*02*,06,*03*
3840	26.3	+45 4	6.7	6.84	3823,3842	*04*,03	2279	28.1	+58 58	6.8	6.85	3810,3814,3823	00,06,*06*
4165	26.3	+41 37	7.5	7.66	3301,3804	*04*,03	*3079*	28.1	+52 11	6.5	*6.17*		. . A
4583	26.3	+11 48	6.0	*6.01*		. . A	*3449*	28.1	+48 9	6.3	6.69	3475,3842,4197,	00,06,*04*,
4568	26.3	+ 8 24	7.3	7.01	2742,2746	00,00						4544	*01*
5770	26.3	− 6 1	3.5	2.99	3100,4173,4195	*23*,*08*,31	1741	28.2	+63 52	7.5	8.10	3149,3155	14,*13*
2252	26.5	+61 0	6.9	*7.11*		A . .	*4596*	28.2	+12 6	7.0	7.44	2727,2746	01,00
4481	26.5	+31 32	7.0	6.87	3468,3841,3864	*11*,09,02	5885	28.2	−16 38	7.2	7.08	2749,2754,3495,	08,*46*,19,
2953	26.6	+52 30	7.2	7.17	3810,3823	*09*,08						3497,4173,4180,	*17*,01,20,
3432	26.7	+47 57	7.0	7.36	3475,3807,3823	*02*,08,*06*						4182	14
3843	26.7	+44 26	6.7	6.82	3823,3842	01,*02*	*2395*	28.3	+60 1	5.7	5.44	3814,4177,4197	*21*,09,13
4330	26.7	+37 32	7.3	7.58	3841,3864	*09*,09	4175	28.3	− 1 15	neb.	7.69	2755,3100,3101,	A, R, R,
15479	26.8	−25 2	6.5	6.36	3113,3120,3878	02,07,*08*						3109	R
2387	27.0	+59 56	7.3	*7.51*		A . .	4955	28.4	+20 16	6.7	*7.11*		A . .
2957	27.0	+52 31	6.3	6.06	3810,3823,3826	03,*02*,*02*	14356	28.5	−37 5	6.9	6.92	3099,3108,3501,	11,04,04,
6026	27.0	−12 43	7.0	6.85	2749,2754,3886	16,*21*,06						3508	*19*
4555	27.1	+35 26	7.2	*7.62*		A . .	*2589*	28.6	+57 4	7.5	7.36	3810,3814	15,*15*
4950	27.2	+20 33	7.5	*8.05*		A . .	3082	28.6	+51 27	7.5	7.32	3823,3826	*03*,03
4329	27.3	+23 25	6.5	6.54	3473,3829,3833	*21*,28,*06*	4186	28.6	+32 20	7.0	7.17	3468,3841	07,*07*
1173	27.4	+70 7	3.0	3.35	3467,3468,3469,	17,*10*,*05*,	*3457*	28.7	+48 0	6.5	6.58	3475,3807,3814	12,*05*,*07*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4184	28.7	+41 51	7.0	7.16	3801,3804	01,*01*
2642	28.8	+53 34	7.5	7.75	3810,3814	07,*07*
4957	28.8	+21 8	7.0	7.24	3473,3833	06,*07*
791	28.9	+75 58	7.3	*7.67*		A . .
1322	28.9	+67 51	7.3	7.06	3149,3155,3900	*02*,*09*,12
4423	28.9	+22 36	7.5	7.77	3473,3833	*19*,19
5584	28.9	− 4 48	7.3	6.80	3886,3897	01,*02*
5487	29.0	− 3 51	7.5	6.99	2755,3101,3886	*20*,14,06
18703	29.0	−30 8	6.4	6.44	3099,3108,3517	*15*,13,02
4296	29.1	+33 22	7.5	7.66	3468,3841	*07*,08
4564	29.2	+40 24	7.5	*7.87*		A . .
6237	29.2	−20 31	6.2	5.69	3113,4173,4195	00,*06*,06
15135	29.2	−34 46	6.8	6.82	3099,3108,3517,4225,4225,4228,4228,4233,4243,4252,4253,4259	16,02,*02*,26,00,15,*15*,*16*,*01*,02,*07*,*15*
6238	29.3	−20 41	7.5	*7.02*		. A .
3553	29.4	+49 30	6.0	5.70	3843,4197,4539	*20*,09,11
3468	29.5	+47 51	6.5	6.92	3475,3807,3823	*04*,*12*,15
16729	29.5	−23 54	6.7	6.40	3113,3120,3873	11,*14*,02
3584	29.6	+45 25	6.5	6.56	3842,3843	10,*09*
4503	29.6	+ 1 24	7.7	6.75	2727,2742,2747	*03*,*04*,08
1183	29.7	+70 23	7.2	6.95	3834,3900,3905,4170,4179,4183	*39*,07,29,*23*,15,09
823	29.9	+77 30	7.2	7.44	3155,3499	10,*09*
991	30.0	+73 2	7.5	8.28	3155,3499	06,*07*
4431	30.1	+22 19	6.7	6.37	3473,3829,3838	*02*,*01*,02
4606	30.1	+17 54	7.2	*6.62*		. A .
5489	30.1	− 4 26	6.0	5.90	3886,4173,4195	*05*,*13*,18
3865	30.2	+45 9	4.1	4.21	3475,4174,4197	05,*29*,24
4740	30.2	+19 29	6.5	*7.10*		A . .
4750	30.3	+ 0 32	7.3	*7.38*		A . .
14868	30.3	−35 37	7.5	7.78	3501,3503,3504	*09*,07,02
15702	30.4	−26 37	6.0	*5.64*		. *02*,03
2647	30.5	+53 52	7.4	7.46	3810,3814	06,*06*
4964	30.6	+20 58	6.7	*7.35*		A . .
4199	30.7	+41 58	7.2	7.62	3475,3801	03,*04*
4359	30.7	+38 5	5.0	*4.97*		. . A
4499	30.7	+31 20	7.0	7.21	3468,4174,4177	*17*,04,14
2396	30.8	+59 52	7.2	*7.81*		A . .
6131	30.8	−18 50	7.8	7.65	2749,3109,3116	15,*09*,*07*
15664	30.8	−33 29	6.2	6.12	3120,3143,3469,3491,3495,3504,3525,3783,3860,4173,4179,4183,4192,4196,4206,4542,4546	01,*02*,*09*,12,16,05,00,*35*,*14*,*01*,05,07,04,*01*,07,*35*,45
14888	30.8	−36 19	7.0	7.31	3099,3108,3501,3503	01,02,00,*02*
4107	30.9	+27 46	6.7	6.35	3829,3833,3841	07,*08*,00
4346	30.9	+24 3	6.5	6.13	3473,3829,3833	*13*,03,11
3091	31.0	+51 15	6.4	5.96	3826,3840,3843	*01*,07,*05*
4821	31.0	+ 5 38	7.5	7.80	2727,2742	05,*06*
17909	31.2	−29 3	7.5	7.58	3120,3136	04,*03*
1565	31.3	+64 17	8.5	8.90	3155,3499,3504,3505,3514	*03*,*01*,*10*,12,01
3975	31.3	+43 16	6.7	6.70	3475,3801,3804	20,*02*,*18*
4349	31.3	+23 31	7.4	7.38	3473,3833	*01*,00
4637	31.3	+14 39	6.5	6.69	3886,3897	*05*,05
5592	31.3	− 5 30	7.7	7.08	2755,3101	*12*,11
5714	31.5	−10 37	7.3	7.33	3101,3109	18,*18*
6251	31.5	−19 54	4.7	4.72	3101,4173,4195	*12*,*02*,14
1747	31.7	+63 18	6.8	7.38	3155,4179	*01*,00
6134	31.8	−18 53	7.5	7.05	2749,2754,3495,3497,3499,4173,4180,4182	25,*37*,06,*06*,12,*05*,07,*05*
4456	31.9	+29 37	6.5	6.28	3829,3833	04,*04*
4826	31.9	+ 5 22	7.5	*7.63*		A . .
14386	31.9	−37 37	7.5	8.00	3501,3503,3504,3517	R,00,13,*12*
1602	32.0	+65 18	7.5	*7.75*		A . .
6136	32.0	−19 40	7.8	7.19	2749,2754	21,*21*
1567	32.1	+64 31	7.5	8.39	3499,3504	*06*,06
1415	32.3	+66 17	6.7	7.01	3149,3499,3504	13,*08*,*05*
4206	32.3	+32 47	7.5	7.38	3468,3833	*01*,02
4613	32.3	+11 16	7.0	7.20	2727,2746	05,*06*
993	32.4	+72 20	7.5	8.04	3155,3499	*10*,09
4748	32.4	+19 21	7.0	7.31	2727,2747,2748	07,*13*,06
4180	32.4	− 0 50	6.2	*6.20*		. . A
5701	32.4	− 8 18	5.0	*4.76*		. *01*,00
15722	32.4	−25 53	7.5	7.44	3120,3136	07,*08*
1416	32.5	+66 20	6.7	7.21	3149,3162,3499,3504	03,*04*,*02*,04
4706	32.5	+ 4 15	6.3	*6.87*		. A .
18747	32.5	−30 5	7.5	7.65	3099,3108,3504	*06*,12,*06*
3562	32.6	+50 3	7.0	7.02	3826,3840,3843	12, R,*13*
3377	32.7	+50 14	7.3	*7.22*		A . .
4830	32.7	+ 6 10	6.3	*6.13*		. 13,*13*
6027	32.8	−15 21	7.2	7.14	2749,2754	12,*12*
4612	32.9	+39 58	5.0	5.03	3841,4174,4198	29,*18*,*11*
4647	32.9	+14 46	7.0	7.52	2727,2748	06,*05*
4827	33.0	+18 52	5.8	*5.33*		. . A
15163	33.1	−34 7	6.5	6.37	3120,3136,3467,3468,3503,3504,3517	02,*07*,*14*,12,12,*02*,*06*
4473	33.2	+34 54	6.5	*7.27*		A . .
4309	33.2	+34 9	7.2	7.82	3829,3833	00,01
6257	33.2	−20 4	7.5	7.24	2758,3120	*18*,18
15528	33.2	−24 54	7.5	7.66	3120,3136	*13*,12
5735	33.3	−22 10	7.5	7.70	2758,3120,3136	*16*,10,06

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
15550	33.3	−27 45	6.8	6.74	3120,3136,3873	*08*,*03*,10
4834	33.5	+ 5 19	6.2	*5.82*		*11*,19,*07*
5504	33.5	− 4 36	7.7	*7.05*		A . .
18752	33.5	−30 45	7.5	7.66	3099,3108,3504	00,09,*08*
1329	33.6	+67 46	6.8	7.52	3155,3162	05,*05*
3889	33.6	+44 14	6.4	6.12	3801,4174,4197	*09*,08,01
4215	33.6	+32 45	7.0	7.50	3468,3833	03,*04*
1753	33.7	+63 17	7.2	7.81	3155,3472,3499,3504,3505,3517	06,06,*04*,*04*,06,*10*
2655	33.7	+54 12	7.5	7.80	3810,3814	*11*,11
2990	33.7	+52 56	7.3	7.52	3810,3814	02,*01*
4558	33.7	+38 52	6.4	6.66	3829,3833,3841	*03*,02,00
3382	33.8	+50 37	7.1	*7.42*		A . .
4216	33.8	+32 40	7.2	7.58	3468,3833	00,01
6094	33.8	−14 20	7.0	7.18	2749,2754	10,*10*
2583	33.9	+54 40	7.5	7.96	3810,3814	*04*,03
4589	34.0	+40 38	7.5	*7.42*		A . .
5640	34.0	−11 1	6.3	6.18	2749,2754,3886	03,*04*,02
4445	34.2	+25 4	6.7	6.35	3829,3833	08,*08*
2659	34.3	+58 36	6.5	6.20	3810,3814,3840	18,00,*17*
4754	34.3	+19 48	6.0	*5.75*		. . A
4245	34.4	− 0 30	7.3	6.84	2755,2762	*15*,15
14906	34.4	−34 59	6.8	6.85	3099,3108,3504,4182	*07*,09,13,*16*
2271	34.5	+60 38	7.5	*8.06*		A . .
4517	34.5	+ 1 48	5.0	*5.30*		. . A
6340	34.6	−17 7	3.5	*3.72*		. . A
4361	34.8	+24 2	7.1	7.21	3473,3526	*11*,11
3579	34.9	+49 20	6.7	*7.07*		A . .
14910	34.9	−34 58	7.5	7.95	3504,3517,3519,3873,3886,4173,4183,4200,4200,4201,4544,4545,4546,4546	*02*, R ,24, R ,11, R ,32,*26*,03,*28*,06,*11*,*10*,*01*
6146	35.0	−19 21	7.5	*7.39*		A . .
4714	35.1	+ 8 44	7.2	6.78	2742,2746,2747	06,16,*23*
2169	35.2	+61 38	5.0	4.92	3149,3155,3472	12,*15*,04
3003	35.2	+53 8	6.5	7.06	3810,3826,3840	01,*12*,10
5613	35.2	− 7 26	7.0	7.01	2755,2762	*15*,15
14930	35.2	−36 2	7.0	7.05	3099,3108,3501,3503,3504	10,10,00,*07*,*13*
2612	35.5	+55 20	7.5	*7.91*		A . .
3618	35.5	+45 43	7.3	7.58	3475,3807,4174,4177,4179	*05*,22,*11*,16,*24*
1574	35.6	+65 12	7.5	*8.30*		A . .
4872	35.7	+10 11	7.5	*7.10*		07,*07*, .
15706	35.7	−32 59	7.0	7.08	3099,3108,3504	10,*07*,*04*
3112	35.8	+51 54	7.3	7.48	3807,3810,4174,4177,4179	03,*14*,*19*,23,09
4567	35.8	+39 8	6.5	6.77	3829,3833,3841	*14*,13,02
4599	35.8	+ 3 25	7.0	7.12	2746,2747	19,*19*
5745	35.8	−22 23	7.8	7.85	2758,3136	09,*09*
1575	35.9	+64 56	6.8	*6.95*		A . .
2617	35.9	+57 2	6.2	*5.73*		. . A
3403	35.9	+46 45	7.2	7.71	3807,3814,4174,4177,4179	*01*,*08*,01,01,05
5746	35.9	−22 7	8.0	7.85	2758,3136	*11*,11
4002	36.0	+43 59	6.7	6.70	3475,3801,3843	05,00,*06*
6037	36.0	−15 18	7.2	7.03	2754,3100,3886,3897	*31*,05,15,10
15545	36.0	−25 33	6.8	6.49	3152,3155,3873	02,*20*,19
4722	36.1	+ 4 33	7.0	7.12	3109,3116,3144,3149	11,*01*,*09*,00
6102	36.1	−14 29	5.5	5.12	3100,4173,4195	00,07,*06*
1759	36.2	+63 56	7.0	7.42	3109,3155	*04*,05
3457	36.2	+48 41	7.0	7.26	3475,3807,4174,4177,4179,4545,4546,4546,4551,4551	23,05,*31*,06,08,*02*,09,*05*,*14*,05
6266	36.2	−20 15	7.5	6.95	2758,4173	01,*01*
4177	36.3	+42 49	5.2	*5.40*		. . A
4161	36.3	+28 18	7.1	7.33	3829,3833	13,*13*
15756	36.3	−26 19	7.4	7.50	3144,3152	00,*01*
15711	36.3	−32 57	7.2	7.22	3099,3108,3504	11,*06*,*04*
14686	36.3	−38 23	7.6	7.35	3099,3108,3501,3503,3504	09,*03*,05,*14*,03
2590	36.4	+54 55	7.5	*7.66*		A . .
3401	36.4	+51 1	6.6	6.68	3826,3840	*04*,04
6349	36.4	−17 40	7.5	7.26	3100,3101	*13*,12
17057	36.4	−23 43	5.8	5.35	3120,3144,4195	01,02,*02*
3590	36.5	+49 14	7.0	7.16	3475,3807,4174,4177,4179	*01*,*13*,*12*,*04*,28
4599	36.5	+21 46	7.5	7.38	3473,3526	*11*,12
4237	36.6	+26 18	7.1	7.43	3829,3833	00,00
4493	36.8	+34 13	6.6	*7.22*		A . .
4600	36.8	+21 29	6.7	6.94	3473,3526,3829,3833	*12*,22,00,*08*
4249	36.8	− 0 6	7.5	7.71	2762,3101	*02*,02
4988	37.0	+21 9	7.0	6.96	3473,3526,3833	*07*,02,05
926	37.1	+74 47	7.4	*7.92*		A . .
4770	37.1	+ 0 49	5.8	*5.79*		. . A
6152	37.1	−19 19	5.0	*4.83*		19, . *19*
4726	37.2	+ 4 22	7.3	7.46	2747,2748	*13*,14
2623	37.3	+57 8	7.3	6.92	3807,4174	*10*,11
4850	37.3	+ 5 14	5.5	*5.67*		14,07,*21*
17068	37.3	−23 37	7.7	7.58	3144,3152,3504,3517,3519,3873,3886,3897,4173,4182,4183	29,*52*,*02*,*26*,*01*,04,05,25,05,14,02
2595	37.4	+54 25	6.0	*6.10*		. . A

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3522	37.4	+47 22	7.5	8.29	3475,3807	13,*13*
3407	37.5	+47 5	7.0	7.37	3475,3807,4174, 4177,4179	*12*,12,*25*, *02*,28
2409	37.6	+59 18	6.9	7.04	3826,3843	01,*01*
2597	37.6	+54 54	7.5	*7.98*		A . .
4611	37.6	+40 21	6.3	*6.05*		05,22,*28*
4604	37.6	+10 21	6.3	*5.95*		*03*,08,*06*
6270	37.6	−20 4	6.5	6.14	3144,3152,4195	00,*02*,01
16790	37.6	−24 36	7.3	7.14	3144,3152	01,*01*
18424	37.6	−31 42	7.5	7.51	3468,3475,3481, 3504	*07*,16,*22*, 14
1190	37.7	+70 51	7.1	7.14	3101,3109,3834, 3905,4170,4179, 4183,4542,4544, 4545	*28*,*16*,00, 38,*05*,32, 07,*07*,*09*, *10*
4182	37.7	+42 38	9.1	9.36	4259,4259,4544, 4544,4545,4545, 4546,4546	09,*14*,10, 00,04,05, 11,*21*
6046	37.7	−14 51	6.2	*5.99*		07, . *07*
4500	37.8	+35 3	6.2	*6.38*		*06*,06,*01*
4651	38.0	+37 5	7.5	8.26	3829,3833	*28*,29
4582	38.1	+39 4	7.5	7.47	3829,3833	*03*,03
3637	38.3	+45 18	6.2	*6.47*		*10*, . 10
14405	38.3	−89 0	6.5	6.33	3099,3108,3481, 3503	19,00,*11*, *09*
4615	38.4	+40 38	5.9	*5.62*		. R , A
4463	38.4	+22 51	7.2	6.92	3473,3526,3829, 3833	*04*,09,*09*, 06
6277	38.4	−19 58	8.6	8.09	4196,4196,4200, 4200,4201,4201, 4544,4544,4545, 4545,4546,4546	*25*,09,*03*, *18*,08,13, 07,10,*02*, *07*,15,*05*
4186	38.5	+43 6	9.2	9.48	3878,3897,3900	03,*10*,08
4241	38.5	+41 22	7.5	7.97	3475,3801	05,*05*
4257	38.5	+ 0 5	7.5	7.00	2727,2747,3886	10,*09*,*02*
3125	38.6	+51 50	7.1	7.14	3807,3810,4174, 4177,4179	08,*02*,*09*, *13*,15
3410	38.6	+50 44	5.1	4.78	3469,3810,4197	*01*,*17*,19
4243	38.6	+41 59	7.0	7.29	3475,3801	*06*,06
6052	38.6	−15 12	6.5	5.83	3101,3467,3886	*01*,*10*,10
4889	38.7	+ 7 4	6.5	*6.74*		. A .
3411	38.8	+50 24	7.1	*7.22*		A . .
4020	38.8	+43 15	9.2	9.39	3878,3897,3900	*04*,01,03
4845	38.8	+19 10	7.0	7.43	2727,2747	15,*15*
15571	38.8	−25 22	7.3	7.29	3144,3152	06,*06*
14412	38.8	−38 54	7.3	7.37	3099,3108,3481, 3503	08,*02*,04, *10*
4608	38.9	+10 39	8.0	*7.50*		. A .
3480	39.0	+49 8	6.4	6.12	3807,3814,3843, 4174,4177,4179	*15*,08,*23*, 22,*09*,14
15734	39.0	−33 29	4.4	4.35	3099,3108,3116, 3143,3145,3469, 3495,3504,3783, 3860,4170,4179, 4183,4186,4192, 4196,4198,4200, 4206,4228,4252, 4542,4544,4551, 4553	05,08,21, *05*,18,04, 24,*09*,*29*, *04*,13,*03*, 15,02,*01*, *02*,08,32, *17*,*01*,*20*, *51*,05,10, *11*
1192	39.1	+70 20	7.0	*7.44*		A . .
4623	39.1	+40 42	5.1	*5.57*		. . A
3019	39.2	+52 47	7.5	7.65	3469,3807	*01*,01
4190	39.2	+43 7	8.3	8.58	3834,3834,3878, 3897,3900	03,*14*,*10*, 23,*03*
5628	39.2	− 5 11	6.5	6.60	2755,2762,3886, 3903	*04*,06,00, *01*
15600	39.2	−26 57	7.4	7.64	3144,3152	06,*05*
2374	39.3	+57 17	7.2	6.98	3807,3810,4174, 4177,4179	*10*,*15*,27, *18*,17
4408	39.3	+37 50	6.0	5.64	3833,4174,4192, 4192	*32*,09,08, 15
4891	39.3	+ 9 25	2.3	*2.67*		. . A
4024	39.4	+43 53	8.1	8.39	4252,4252,4253, 4253,4256,4256, 4544,4544,4545, 4545,4546,4546	*05*,*07*,*11*, *02*,04,01, 01,02,01, *02*,22,*05*
4465	39.4	+22 22	6.5	*6.65*		. A .
17083	39.4	−23 1	7.2	7.25	2758,3144	06,*06*
4410	39.5	+37 51	7.2	6.87	3829,3833,4174	*13*,09,03
2690	39.6	+54 6	6.8	7.15	3469,3807	01,*01*
4169	39.6	+28 18	4.5	*4.50*		. . A
4459	39.6	+24 42	7.5	*7.86*		A . .
5827	39.6	− 9 30	8.0	7.08	2755,2762	*05*,06
5829	39.6	− 9 32	5.5	*5.32*		09, . *09*
2314	39.7	+58 48	6.7	6.21	3807,3810,3903	*10*,*09*,20
17438	39.7	−28 35	7.4	7.51	3152,3517,3519, 3525	11,*22*,10, 02
4582	39.8	+16 54	4.0	*4.56*		. 21,*22*
4668	39.8	+14 19	6.5	*6.12*		07, . *08*
3485	40.0	+48 25	7.4	7.86	3807,3814	03,*02*
4173	40.0	+28 48	7.3	7.23	3829,3833	17,*17*
6008	40.0	−13 14	6.8	6.66	2754,3101,3886	*28*,20,09
4174	40.1	+28 44	7.5	7.12	3829,3833	01,*01*
4463	40.1	+25 11	4.1	4.31	3841,4174,4192, 4192	09,*15*,07, 00
1764	40.2	+63 15	7.0	7.01	3109,3149	*03*,03
1193	40.5	+70 51	5.0	5.00	3834,3905,4189	*13*,*01*,14
4030	40.5	+43 21	8.6	8.82	3878,3897,3900, 4197,4197,4198, 4198,4198,4200,	*03*,11,26, 02,*11*,10, 10,*30*,03,

21^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4201,4201,4202,	*05*,03,*06*,
					4202,4203,4203,	12,*06*,*03*,
					4206,4206,4207,	*27*,00,09,
					4211,4211	05,*01*
15744	40.5	−33 10	7.0	6.99	3099,3108,3504	01,04,*04*
3422	40.6	+46 24	6.5	6.62	3807,3814,3843,	24,13,*22*,
					4544,4545,4546,	*11*,*02*,*11*,
					4546	08
4257	40.8	+26 31	7.5	7.18	3829,3833	05,*05*
4745	40.8	+ 7 32	7.5	7.25	2723,2727	00,00
4195	40.9	+42 59	8.5	7.87	3878,3897,3900	*10*,09,00
5833	40.9	− 9 44	6.7	6.34	2762,4544	00,01
6012	40.9	−13 3	7.7	7.23	2754,2768	*05*,05
6007	40.9	−18 23	7.5	7.54	2754,3503,3504,	*19*,*05*,11,
					3517	12
4249	41.0	+32 19	7.3	7.42	3468,3829	00,00
6087	41.2	−11 50	5.5	*5.50*		. . ▲
4250	41.3	+32 39	7.4	8.09	3468,3829,3841	11,08,*19*
6088	41.3	−12 9	7.3	*7.02*		. ▲ .
4471	41.4	+25 6	7.0	6.52	3829,3841	*06*,05
5631	41.4	− 2 40	6.8	7.16	2755,2762,3144,	13,33,*35*,
					3145,3149,3162,	*35*,*30*,23,
					3487,3495,3497,	01,*04*,*05*,
					3826,3841,3860,	*21*,*13*,15,
					3864,3886,4173,	17,51,*19*,
					4180,4180,4182,	02,14,*08*,
					4182	*04*
4037	41.5	+43 28	8.2	8.65	3878,3897,3900	*03*,01,02
4626	41.5	+35 24	6.6	6.49	3829,3841	*12*,12
4472	41.5	+22 30	5.0	5.36	3526,3829,4192,	19,*17*,*12*,
					4192	09
5943	41.5	−16 35	3	*2.95*		. . ▲
14729	41.5	−38 25	7.1	6.86	3099,3108,3481	15,04,*19*
3135	41.7	+51 48	7.1	6.69	3469,3807,4174	*05*,01,04
1082	41.8	+71 52	5.5	5.49	3121,4170,4189	*13*,*21*,35
4473	41.8	+25 6	6.8	6.39	3829,3841	*05*,05
4474	41.8	+22 29	7.0	*7.68*		. ▲ .
4615	41.9	+21 43	6.8	6.86	3473,3526,3829	*03*,08,*04*
5636	41.9	− 2 45	7.9	7.59	2755,2762	00,00
18466	41.9	−31 21	5.2	5.00	3116,3143,3145,	08,*08*,22,
					3469,3495,3501,	03,12,02,
					3504,3517,3519,	*11*,17,*01*,
					3525,3783,3814,	13,*21*,*01*,
					3823,3841,3860,	*06*,11,07,
					4170,4179,4188,	10,*11*,13,
					4186,4192,4196,	21,*10*,07,
					4198,4200,4206,	*24*,05,05,
					4211,4228,4248,	17,*03*,*06*,
					4252,4542,4551,	*10*,*44*,*10*,
					4553	02

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4781	42.0	+13 15	7.0	6.57	2720,2723,3886	01,00,*02*
17454	42.0	−28 13	7.6	7.45	3112,3152	*09*,09
6373	42.1	−17 45	7.5	7.19	2754,2768	*14*,14
6293	42.1	−20 2	7.5	7.35	2758,3144	01,*01*
2193	42.2	+61 59	6.2	5.90	4170,4198	24,*23*
4342	42.2	+33 49	7.5	8.19	3468,3829	*08*,08
4414	42.2	+ 2 14	5.6	*5.45*		. . ▲
5640	42.2	− 5 4	7.0	6.76	2762,3100	20,*20*
16744	42.2	−32 48	7.4	8.01	3504,3517,3519	02,07,*10*
4204	42.3	+42 35	6.5	6.43	3801,3804,3843	18,10,*29*
4598	42.3	+16 44	6.0	*6.30*		. . ▲
3430	42.4	+50 12	7.4	*7.02*		▲ . .
5827	42.4	− 6 23	6.2	6.14	3100,4173,4195	*08*,10,*02*
15812	42.4	−26 20	7.5	7.70	3144,3152	*10*,09
4254	42.5	+32 32	7.3	7.93	3468,3829	*02*,02
2288	42.6	+60 40	4.5	4.47	3467,3475,3481,	*27*,*11*,*09*,
					3487,3495,3497,	*14*,*12*,*14*,
					3499,3504,3505,	*22*,00,*08*,
					3514,3525,3526,	*18*,21,13,
					3531,3783,3804,	01,06,19,
					3814,3823,3826,	01,13,06,
					3834,3836,3857,	38,07,18,
					3859,3860,3864,	*04*,*05*,*04*,
					3866,3867,3880,	04,18,*29*,
					3897,3900,4170,	13,07,*01*,
					4173,4174,4177,	*02*,*19*,07,
					4179,4185,4187,	*23*,25,08,
					4192,4193,4195,	*01*,04,21,
					4196,4197,4198,	*03*,12,09,
					4202,4203,4208,	*04*,*10*,*20*,
					4223,4225,4245,	*10*,08,*01*,
					4258,4259,4539,	*08*,18,*18*,
					4542,4551,4553,	*08*,*06*,10,
					4554,4561	*11*,*08*
4617	42.6	+21 33	7.5	7.34	3473,3526	*21*,22
2396	43.1	+57 36	7.5	7.58	3807,3810	*02*,03
3144	43.1	+51 39	7.5	7.45	3469,3807	*03*,03
3504	43.1	+48 51	4.5	4.23	3475,3804,4197,	03,*09*,08,
					4539	*03*
15030	43.3	−35 57	7.5	8.25	3481,3501,3503	04,18,*21*
14494	43.5	−37 10	7.5	8.17	3481,3503,3517,	00,11,*27*,
					3519	11
4399	43.7	+24 0	7.2	7.28	3473,3526	*20*,20
4048	43.8	+43 32	7.2	7.58	3475,3801	*06*,06
5837	43.8	− 5 52	6.8	6.81	2762,3100,3886	05,*05*,00
6075	43.8	−15 35	7.5	7.69	2754,2768	*17*,17
4643	43.9	+36 6	6.7	6.54	3841,3897	*21*,20
14449	43.9	−39 4	7.5	7.21	3481,3503,3517	07,*09*,02
4274	44.1	+41 52	7.5	8.09	3801,3804	*15*,15
4263	44.1	+32 20	6.5	6.79	3468,3841,3897	*26*,07,19

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
15639	44.1	−27 52	7.0	7.15	3144,3152,3519	*19*,09,10
1087	44.2	+71 41	7.5	7.32	3101,3109,3903	14,*14*, R
4622	44.2	+21 58	7.0	7.08	3473,3526	*13*,12
4621	44.3	+25 14	7.5	*7.96*		A . .
6027	44.3	−13 11	6.5	6.12	2754,2768,3886	*14*,06,08
4427	44.4	+38 11	6.3	*5.80*		. . A
2294	44.5	+60 14	6.0	*5.64*		02, . *01*
2420	44.6	+59 14	7.0	7.03	3472,3807	16,*16*
4505	44.6	+15 18	7.5	*7.24*		A . .
6389	44.7	−17 19	6.7	6.47	2754,2768,3886	*12*,*04*,16
4793	44.8	+20 0	6.5	*6.16*		09, . *08*
17477	45.0	−28 24	7.5	7.40	3144,3152	06,*06*
4277	45.1	+41 53	7.5	7.96	3801,3804	13,*14*
4209	45.1	− 1 4	7.5	7.70	2762,3100	09,*09*
4269	45.2	+32 51	7.0	7.06	3468,3841	*03*,02
5854	45.2	− 9 27	7.0	6.84	3886,3897	*06*,05
1198	45.3	+69 41	6.7	6.50	3834,3900,3905	*10*,*06*,17
4525	45.4	+29 43	5.3	5.24	3467,3829,4192, 4192	*11*,*09*,12, 09
4871	45.4	+18 59	7.5	7.12	3083,3093,4196	05,02,*08*
4612	45.4	+16 49	5.5	*5.31*		. . A
4784	45.4	+ 0 16	8.2	*7.83*		A . .
3632	45.5	+50 3	7.3	*7.32*		A . .
4540	45.5	+34 27	7.5	7.72	3468,3841,3897	*09*,*07*,16
4648	45.6	+40 40	6.2	*6.51*		11, . *11*
4483	45.6	+25 7	7.5	*7.26*		A . .
1594	45.7	+64 41	6.5	6.98	3101,3109,3900	*12*,00,11
5774	45.7	−10 31	7.5	7.32	2754,2768	*08*,09
17135	45.7	−23 44	6.8	6.85	3144,3152,3873	02,01,*04*
15654	45.7	−27 52	8.0	7.95	3144,3152	*09*,09
4556	45.8	+31 22	7.2	7.30	3468,3841	05,*04*
4629	45.9	+21 29	7.0	7.15	3467,3473	04,*04*
4061	46.2	+43 25	6.8	7.32	3475,3801	*03*,02
4558	46.2	+32 11	6.7	6.90	3468,3841,3897	*03*,*18*,21
4913	46.2	+ 9 54	7.4	*8.02*		A . .
6176	46.2	−19 5	6.6	*6.14*		10, . *10*
18873	46.2	−30 47	7.4	7.85	3099,3108,3504	11,00,*11*
14669	46.2	−41 53	7.1	6.85	3826,3841,3864, 3873,3873,4186, 4186,4192,4192, 4195,4195,4544, 4544,4545,4545, 4546,4546	18,*03*, R, 30,18,*20*, *05*,*20*,*17*, *10*,06,*06*, *10*,35,13, *14*,*12*
2300	46.4	+60 49	6.5	*6.41*		00, . 00
3043	46.5	+52 14	6.7	6.56	3469,3472,3903	09,*03*,*06*
4787	46.5	+ 0 17	7.8	6.80	3886,3897	*24*,23
834	46.6	+77 47	7.0	7.18	3101,3109	04,*03*
1441	46.8	+66 20	6.4	6.51	3101,3143,3900	05,*24*,19
4677	46.8	+11 33	7.5	7.60	2720,2723	*04*,05
3451	46.9	+50 32	7.2	*7.82*		A . .
3524	43.9	+48 59	7.5	7.74	3801,3804	*10*,10
4797	46.9	+19 22	5.5	*5.74*		. *02*,03
4621	47.0	+39 5	6.5	6.28	3841,3903,4192, 4192	*22*,07,01, 16
4874	47.0	+18 51	7.2	6.85	2720,2723,3886	*07*,12,*05*
4645	47.0	+10 38	7.0	*6.90*		A . .
5779	47.1	− 9 53	7.8	*7.31*		A . .
1596	47.2	+64 47	7.5	*7.90*		A . .
5316	47.2	− 3 39	7.0	6.55	2762,3100,3878	14,*24*,09
14530	47.2	−37 22	7.0	7.16	3099,3108,3481	04,*03*,*02*
4067	47.3	+43 58	7.0	7.58	3475,3801	*07*,08
4562	47.4	+31 26	7.5	7.49	3468,3841	10,*10*
5564	47.5	− 4 28	7.2	6.68	3878,3886	*07*,06
5027	47.6	+20 48	6.3	6.50	4196	A
5690	47.6	−11 2	6.8	6.82	2754,2768,3878	02,*01*,*02*
4415	47.8	+23 33	7.0	7.48	3467,3473	13,*14*
6149	47.8	−14 1	5.0	5.08	4173,4195	*09*,10
4291	47.9	+41 54	7.3	7.83	3801,3804	*02*,02
6150	47.9	−14 39	7.5	7.79	2754,3096	*11*,11
14536	47.9	−37 50	3.0	3.14	3099,3116,3120, 3122,3143,3145, 3469,3481,3503, 3504,3814,3823, 3840,3841,3873, 4170,4179,4180, 4182,4183,4186, 4192,4198,4200, 4206,4211,4228, 4243,4252,4542, 4551	10,*12*,15, 17,*10*,*15*, 00,*10*,*13*, 05,01,*13*, *05*,*15*,*02*, 08,*04*,*01*, *05*,*11*,*03*, *01*,11,*02*, 00,*14*,31, 34,*09*,*09*, 19
4371	48.0	+33 56	7.0	7.42	3468,3841	*10*,11
4215	48.0	+28 20	5.9	5.62	3145,3802,4192, 4192	08,*33*,09, 17
2303	48.1	+61 9	7.2	7.13	3472,3807	25,*25*
3584	48.1	+47 58	6.5	7.14	3801,3804	*08*,07
4519	48.2	+15 27	6.8	*7.29*		A . .
5785	48.2	−10 47	6.8	*6.49*		21, . *21*
3585	48.3	+48 5	7.3	7.70	3801,3804	04,*04*
4650	48.3	+17 27	8.0	8.26	2720,3149	02,*02*
15067	48.3	−36 32	7.0	6.88	3099,3108,3481	01,12,*13*
4635	48.5	+25 27	5.5	4.95	3467,3473,3526	02,*03*,00
2638	48.6	+55 19	7.5	*7.26*		A . .
4630	48.7	+38 22	7.2	7.33	3841,3897	*20*,20
2639	48.8	+55 20	6.0	5.45	3469,3472,4197	07,*06*,*01*
2638	48.9	+54 13	6.7	*7.01*		A . .
4879	48.9	+19 13	5.8	*5.84*		. . A
4919	48.9	+ 6 23	6.5	*6.58*		. A .
5568	48.9	− 4 45	5.7	*5.84*		04, . *03*
4662	49.0	+41 8	7.3	7.32	3841,3897,4174	22, R ,*21*
4809	49.0	+19 56	7.0	*7.50*		A . .

21^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5859	49.0	− 5 49	7.3	7.36	2755,3100	10,*10*
1664	49.1	+65 17	6.6	6.47	3900,3905	*14*,14
2640	49.1	+54 35	7.0	7.27	3469,3903	*19*,19
4664	49.1	+35 40	7.2	*7.57*		▲ . .
1600	49.2	+64 27	7.0	7.01	3101,3143	15,*14*
4191	49.4	+27 53	6.8	6.71	3145,3473,3829	*01*,01,*01*
5329	49.4	− 3 46	6.5	6.20	3100,4173,4195	01,*09*,09
5331	49.4	− 3 28	7.9	7.44	2755,2762	*05*,05
4657	49.5	+17 33	7.5	8.12	2720,2723	16,*15*
4711	49.5	+12 17	6.8	*6.66*		. ▲ .
15813	49.5	−33 29	7.1	7.46	3099,3108,3504	14,*03*,*12*
3536	49.6	+48 53	9.0	9.00	3149	▲
4814	49.6	+19 15	6.9	6.36	3886,3895	06,*06*
6092	49.6	−15 44	7.0	7.04	2754,2768,2769	*12*,*08*,21
1994	49.7	+62 13	7.0	6.76	3143,3149,3900	*09*,08,02
2641	49.7	+55 44	7.2	6.86	3469,3472,3531, 3531	01,21,*26*, 05
4815	49.7	+20 1	7.4	*8.07*		▲ . .
2727	49.9	+58 32	6.5	*6.64*		. . ▲
6120	50.0	−21 36	7.2	7.17	2758,3120	*03*,03
17171	50.1	−23 32	8.0	7.92	2758,3144	*14*,15
18541	50.1	−31 5	6.7	6.60	3099,3108,3504	16,15,*32*
618	50.3	+83 35	7.2	*7.02*		▲ . .
4575	50.4	+32 13	7.2	7.62	3468,3526,3802	04,*16*,13
14565	50.4	−37 44	5.8	5.44	3119,3122,3143, 3145,3814,3823, 3840,4170,4179, 4180,4182,4183, 4186,4192,4198, 4200,4211,4228, 4243,4252,4551, 4553	08,17,10, 25,*06*,*16*, 18,*08*,*31*, 07,*27*,*05*, 01,03,00, *03*,08,*24*, R,09,01, 11
4563	50.6	+34 19	6.8	*7.42*		▲ . .
4577	50.6	+31 52	6.8	7.10	3468,3802	*03*,03
4560	50.6	+ 1 58	7.5	7.12	2747,2748	01,*02*
1204	50.7	+71 9	7.5	8.11	3109,3149	*13*,13
3484	50.7	+46 41	7.2	7.37	3801,3804	08,*08*
5041	50.7	+20 23	6.5	6.88	3829,3841	00,01
1096	50.8	+72 1	7.0	7.16	3149,3155	03,*02*
836	50.9	+77 18	7.5	8.02	3109,3149	*07*,07
2216	50.9	+62 8	7.5	7.10	3143,3149	*13*,14
3603	50.9	+47 44	7.2	7.35	3801,3804	*05*,05
5867	50.9	− 6 18	7.3	7.46	2755,2769,3100	00,00,00
1371	51.0	+68 1	7.0	7.40	3143,3149	*03*,04
1372	51.0	+67 39	6.9	7.56	3143,3149	*19*,18
5669	51.0	− 7 27	7.8	7.44	2755,2762,3116, 3119,3122,3136	*21*,00,09, 04,05,00
15054	51.0	−35 50	7.1	7.21	3099,3108,3481	07,*04*,*03*
14801	51.0	−38 13	6.5	6.17	3108,3122,3481, 3873,3886	*03*,*26*,03, 26,00
14802	51.0	−38 8	7.4	7.20	3119,3144,3481, 3841,3873,3886, 4173,4182,4183, 4186	*12*,*01*,05, 00,02,*03*, R,03,11, *02*
3605	51.1	+48 5	7.5	7.74	3801,3804	*07*,08
4675	51.1	+35 41	6.5	6.95	3841,3895	*09*,09
1204	51.2	+69 13	7.2	7.36	3149,3155	*02*,01
4250	51.2	+42 42	7.5	8.10	3801,3804	04,*05*
4566	51.2	+34 29	7.0	7.05	3468,3526,3841	*10*,*09*,20
3492	51.3	+46 59	7.5	7.60	3801,3804	02,*02*
4087	51.3	+43 57	7.0	7.40	3801,3843	12,*11*
6037	51.3	−18 22	6.8	6.61	2754,2768,3852	*06*,*08*,14
15696	51.3	−26 57	7.5	7.64	3144,3152	*04*,05
2644	51.5	+56 8	6.2	*5.98*		*12*, . 12
2735	51.5	+53 27	7.2	6.94	3472,3525,4197	*01*,*06*,07
1003	51.6	+73 14	6.5	*6.58*		. . ▲
1097	51.6	+71 31	6.7	7.01	3109,3149	*13*,13
5046	51.7	+20 48	5.8	6.70	3166,3526,4192, 4192,4545,4546, 4546,4553,4553	*03*,*01*,50, 45,*22*,*02*, 07,*29*,*27*
4298	51.9	+32 54	6.8	6.96	3468,3810,3841	01,02,*04*
5047	51.9	+20 41	6.8	*7.20*		▲ . .
3063	52.0	+52 47	6.5	6.78	3469,3525,3843	*09*,32,*22*
4696	52.0	+11 36	6.0	*5.65*		. 11,*11*
2318	52.3	+61 4	6.5	6.12	3826,3843	*04*,04
4634	52.3	+17 13	7.3	7.32	2720,2723	*04*,05
5876	52.3	− 9 3	7.5	6.60	2755,2762,3487, 3497	*27*,24,08, *04*
6103	52.4	−15 36	6.8	7.04	2754,2768	*12*,12
1375	52.5	+67 18	6.8	7.02	3121,3143	04,*05*
4640	52.5	+ 8 42	7.3	7.05	2723,2747,2748	07,*12*,05
1680	52.7	+65 15	7.5	*7.15*		▲ . .
4247	52.7	+28 21	7.5	7.98	3145,3473	02,*02*
4939	52.8	+ 9 59	7.3	7.18	2719,3487	*03*,02
16832	52.8	−32 50	7.5	7.61	3503,3504,3517	02,00,*02*
1607	52.9	+64 52	6.5	5.76	3143,4170,4198	11,*09*,*03*
4324	53.0	+42 9	7.5	7.69	3801,3804	*10*,10
4249	53.0	+28 50	7.2	7.25	3145,3166	15,*15*
4833	53.0	+19 50	6.8	*7.30*		▲ . .
5878	53.0	− 5 54	6.5	*6.25*		. . ▲
6060	53.0	−18 9	7.3	7.03	2754,2768	*15*,15
1455	53.1	+66 14	7.5	7.87	3109,3121	01,*01*
2004	53.1	+62 47	7.2	7.12	3121,3143	*06*,05
3741	53.1	+46 7	6.9	*7.02*		▲ . .
4835	53.1	+19 23	7.5	7.28	2720,2723	*10*,09
4910	53.1	+ 5 29	7.0	6.59	2719,3487,3886, 3897	*27*,09,*08*, 26
2652	53.2	+55 27	9.0	9.00	3149	▲
3618	53.2	+48 12	6.5	6.35	3801,3801,3804, 3843	12,12,*07*, *18*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
6131	53.2	−21 40	6.2	6.38	3112,3152,4192	08,*03*,*05*						4183,4185,4185,	*13*,*21*,*13*,
14820	53.2	−38 52	5.8	5.68	3119,3120,3519,	07,22,08,						4186,4186	*34*,*17*
					3814,3826,3840,	*05*,01,*14*,	6187	55.2	−14 38	7.5	7.38	2754,2768	*10*,10
					4170,4179,4180,	*09*,12,04,	6188	55.2	−14 13	7.3	7.23	2754,2768	*05*,05
					4182,4186,4198,	*01*,*09*,*02*,	15714	55.5	−25 29	8.3	7.90	3152,3155	11,*11*
					4200,4211,4228,	*14*,*05*,01,	6074	55.6	−13 30	7.2	7.08	2754,2768	*10*,10
					4243,4252,4553	R,10,*02*	15368	55.6	−34 19	7.3	7.37	3108,3119,3841	02,11,*13*
768	53.3	+79 5	6.5	6.80	3143,3149,3472,	*27*,39,*32*,	3566	55.8	+48 39	7.3	7.42	3801,3804	*02*,03
					3475,3481,3499,	*08*,*12*,02,	721	55.9	+79 50	6.4	6.68	3843,3900	*29*,30
					3504,3505,3514,	*08*,25,02,	2010	55.9	+62 13	7.0	6.16	3109,3121,3843,	02,20,*19*,
					3843,3900,3914,	*07*,28,*06*,						4170	*03*
					3914,4170,4179,	*10*,*03*,12,	*2670*	56.0	+57 10	6.7	6.49	3469,3472,3843	*06*,19,*13*
					4183	*03*	*4344*	56.0	+42 6	7.1	7.50	3801,3804	*07*,07
2436	53.3	+59 19	7.0	6.81	3469,3472,3843	*05*,12,*08*	*4405*	56.0	+34 8	6.8	6.98	3468,3473,3841	*02*,08,*05*
4644	53.5	+ 3 18	7.2	7.07	2719,2723	*05*,05	*4296*	56.0	+ 0 7	6.0	5.76	2719,4180,4196	*16*,07,08
3622	53.6	+47 34	7.5	7.98	3801,3804	*04*,05	2443	56.1	+59 50	7.5	*7.96*		▲ . .
4256	53.6	+42 47	7.3	7.82	3801,3804	*05*,04	2671	56.1	+56 23	7.3	7.26	3469,3472	*20*,19
4816	53.6	+13 34	6.5	6.66	2723,2747,3886	*17*,02,17	4316	56.1	+32 33	7.0	6.51	3841,4174,4192,	05,00,*06*,
16935	53.6	−24 19	6.9	7.08	2758,3112	00,*01*						4192,4196	03,*03*
5674	53.7	− 4 51	6.9	6.30	3878,3886	*04*,05	5998	56.1	−16 5	7.0	7.06	2768,2769	00,*01*
17199	53.7	−23 21	7.4	7.39	3112,3120,3517,	20,09,*06*,	4737	56.2	+12 38	6.0	*5.72*		. *02*,02
					3519	*23*	4779	56.2	+ 7 47	5.8	5.85	2719,4180,4196	00,00,01
18106	53.7	−29 32	7.3	7.10	3112,3120	02,*01*	15374	56.2	−34 52	7.5	7.77	3503,3504,3517	02,*12*,11
2007	53.8	+63 9	5.7	5.41	3143,3505,4542	26,15,*41*	15146	56.2	−36 2	7.3	7.31	3481,3503,3504	*03*,08,*04*
17533	53.8	−28 7	7.5	*7.46*		. ▲ .	4665	56.3	+21 23	7.3	7.78	3145,3166	00,*01*
3512	53.9	+46 23	7.2	7.39	3801,3804	*07*,07	4584	56.4	+30 57	7.2	7.04	3468,3473	05,*04*
4257	54.0	+42 41	7.5	7.62	3801,3804	03,*04*	2759	56.5	+53 38	7.5	7.44	3469,3525	*21*,22
18107	54.0	−29 6	7.6	7.28	3112,3120	*04*,04	*4586*	56.5	+31 3	7.0	7.49	3468,3473	*08*,08
4260	54.1	+42 46	7.0	7.38	3475,3801	*08*,07	4108	56.6	+43 39	7.5	7.50	3801,3804,3804	12,*10*,*01*
16848	54.1	−32 0	6.9	6.94	3108,3119,3503,	06,14,*04*,	16959	56.6	−24 6	7.3	7.52	3112,3120	05,*06*
					3504	*18*	*4655*	56.7	+39 4	7.3	7.66	3473,3526	*03*,02
4899	54.2	+18 33	6.8	6.57	2720,2723,3886	*09*,00,10	6056	56.7	−18 23	6.8	*6.40*		. . ▲
2320	54.3	+60 49	7.5	6.90	3469,3472,3843	*04*,07,*04*	*4270*	56.8	+43 9	7.2	7.64	3801,3804	10,*10*
4550	54.3	+29 21	7.4	6.83	3145,3473,3829	*03*,08,*04*	16868	56.8	−32 37	6.8	6.58	3108,3119,3503,	10,*02*,00,
4096	54.4	+43 41	7.5	7.62	3801,3807	14,*14*						3504	*08*
5726	54.4	−10 47	7.5	7.62	2754,2768	*08*,09	946	56.9	+74 31	6.4	6.55	3843,3900	*18*,18
1690	54.5	+65 33	7.5	7.42	3900,4170	13,*14*	4656	56.9	+38 47	6.8	7.08	3473,3526	*12*,11
4597	54.6	+31 59	7.5	7.79	3468,3473	02,*02*	6422	57.0	−17 27	6.8	6.49	2768,4173,4195	*06*,*19*,25
4948	54.6	+10 7	7.5	*7.30*		▲ . .	15743	57.0	−27 51	7.2	7.04	3112,3120,3841	02,*10*,07
1691	54.7	+65 41	6.5	6.20	3143,3842,4198	07,*10*,04	4676	57.1	+10 29	6.5	*6.36*		00,00, .
4554	54.7	+30 3	7.5	*7.91*		▲ . .	808	57.3	+75 36	7.5	*7.97*		▲ . .
4333	54.8	+41 13	7.3	7.23	3801,3804	17,*17*	1613	57.4	+64 57	7.0	*7.25*		▲ . .
1693	54.9	+65 40	6.8	*7.04*		06, . *05*	1382	57.5	+67 29	7.5	7.92	3109,3121	*04*,04
14599	55.0	−37 2	6.9	6.78	3108,3152,3481	*02*,08,*07*	18975	57.5	−30 23	7.2	6.98	3108,3119,3503,	*11*,06,09,
4940	55.1	+ 6 14	6.0	5.81	2719,2747,2748	*06*,*06*,13						3504	*05*
18119	55.1	−28 56	5.7	5.44	3112,3120,4192	*10*,*12*,22	*16875*	57.5	−31 56	7.3	7.52	3108,3119,3503,	*22*,*04*,11,
4442	55.2	+23 27	7.5	7.00	3144,3145,3145,	*02*,*02*,*02*,						3504	15
					3149,3166,3497,	14,*03*,00,	*2233*	57.6	+62 0	7.0	6.48	3109,3121,3843	00,08,*07*
					3499,3501,3814,	05,16,28,	*4704*	57.6	+41 4	7.2	7.21	3473,3526	*08*,08
					3826,3840,4183,	21,33,*18*,	*5901*	57.7	− 8 59	7.8	7.35	2755,2762,3487,	*22*,29,05,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3490,3497	*13*,01
1009	57.8	+72 42	5.0	5.12	3467,3475,3481,	*04*,21,*01*,
					3487,3495,3497,	*01*,*09*,*02*,
					3499,3501,3504,	05,*04*,*15*,
					3505,3519,3525,	17,25,18,
					3528,3802,3810,	*01*,*15*,*02*,
					3814,3826,3833,	*05*,*15*,21,
					3834,3836,3852,	*10*,*15*,*07*,
					3859,3864,3866,	*12*,10,*01*,
					3867,3871,3873,	22,06,*05*,
					3880,3897,3903,	*28*,*03*,20,
					4170,4173,4174,	*12*,01,*08*,
					4179,4180,4185,	*02*,10,08,
					4195,4197,4198,	16,*20*,00,
					4200,4202,4203,	*27*,*08*,*05*,
					4208,4211,4223,	18,18,*15*,
					4243,4245,4253,	16,08,03,
					4259,4542,4546,	03,03,*20*,
					4553,4554,4561	09,02,04
4548	57.9	+15 31	6.8	6.70	3886,3895	*10*,11
18148	57.9	−29 50	7.3	7.09	3120,3152	10,*10*
4743	58.0	+36 29	7.3	7.18	3473,3526	*19*,20
5688	58.0	− 7 1	6.0	*5.62*		. . ▲
1212	58.1	+69 52	7.5	*8.49*		▲ . .
5681	58.1	− 2 38	5.3	*4.62*		. . ▲
3083	58.2	+52 24	5.3	5.62	3469,3807,3843	*05*,01,03
4549	58.2	+15 18	7.5	*7.24*		▲ . .
4324	58.3	+32 54	6.8	6.87	3468,3473,3841	*01*,*02*,02
5901	58.3	− 6 11	7.5	7.66	2762,3100	10,*10*
14553	58.3	−39 22	7.5	7.13	3481,3503,3517	09,*07*,*01*
2234	58.4	+61 29	7.2	7.12	3109,3121	16,*16*
4917	58.4	+18 24	7.5	7.58	2720,2723	00,*01*
4681	58.4	+10 54	6.2	*5.75*		05,05,*10*
4791	58.5	+ 4 59	7.3	7.48	2719,4180	*06*,06
4280	58.6	+42 20	6.8	7.06	3801,3804,3804	02,03,*06*
18985	58.6	−30 24	7.0	6.70	3119,3120,3503,	04,*03*,01,
					3504	*04*
2441	58.7	+57 31	6.4	5.50	3469,3472,4197	*10*,14,*03*
4668	58.7	+39 5	7.5	7.78	3167,3473	*08*,07
4568	58.7	+29 44	7.0	*7.01*		▲ . .
6085	58.7	−13 30	7.2	7.43	2768,2769	05,*05*
15959	58.8	−26 22	6.9	6.97	3120,3152,3841	*09*,12,*03*
15166	58.8	−36 11	7.5	7.75	3481,3503,3517	07,*08*,00
4119	58.9	+44 10	6.0	5.59	3801,3804,4197	*13*,23,*10*
4570	58.9	+29 33	7.5	7.39	3145,3473	11,*11*
15757	58.9	−27 19	6.1	5.92	3112,3152,4192,	06,04,*07*,
					4192	*01*
18155	58.9	−28 55	7.0	7.02	3120,3152	00,00
6133	59.0	−14 56	7.5	7.50	2768,2769,3100	*24*,15,08
5908	59.2	− 9 12	7.3	7.22	2762,3096,3100,	32,*07*,*10*,
					3487,3490,3497,	07,16,*30*,
					3852,3878,3886,	*11*,*15*,13,
					3897,4173,4180,	12,*13*,*01*,
					4182	02
4751	59.5	+13 10	6.8	7.04	2720,2723,2747	04,13,*16*
3588	59.6	+49 11	7.0	7.36	3807,3810	00,00
4975	59.6	+ 9 45	6.8	6.92	2719,3487,3895,	*27*,06, R,
					4180,4182,4183,	07,*08*,08,
					4544,4545,4546,	14,03,*01*,
					4546	02
4242	59.7	− 1 24	6.0	*5.22*		. . ▲
2677	59.8	+54 24	7.2	6.98	3469,3525,3843,	*15*,*03*,*03*,
					3905	19
3726	59.8	+49 17	7.1	7.36	3807,3810	*06*,07
4525	0.0	+25 11	7.5	*7.11*		▲ . .
2331	0.1	+60 22	7.5	*7.66*		▲ . .
4122	0.1	+43 52	7.3	6.57	3801,3804,4177	15,*08*,*08*
14639	0.1	−40 2	4.7	4.61	3149,3467,3475,	*63*,*18*,08,
					3814,3823,3826,	27,*15*,02,
					3840,3867,4170,	04,03,10,
					4177,4179,4180,	*17*,32,09,
					4182,4186,4193,	13,*11*,10,
					4196,4198,4200,	*30*,48,*16*,
					4228,4243,4252,	27, R,*16*,
					4253,4553	*14*,10
1712	0.2	+65 35	7.0	6.73	3840,3913,3913	*07*,*02*,09
4329	0.2	+32 27	7.0	6.39	3167,3468,3829	01,*04*,02
4680	0.3	+22 9	6.8	7.40	3145,3467	*02*,02
4730	0.3	+14 20	6.6	6.66	3895,3897	*01*,01
4724	0.3	+12 7	7.3	*7.53*		. ▲ .
6217	0.3	−19 9	7.5	7.54	2768,2769	*04*,05
4842	0.4	+14 0	7.2	7.62	2720,2723	06,*05*
2456	0.6	+59 19	6.6	6.66	3505,4177,4197	25,*04*,*21*
4800	0.6	+ 4 34	5.0	*5.00*		. . ▲
4246	0.6	− 0 48	2.8	*3.20*		. 08,*08*
4671	0.7	+26 12	6.2	5.90	3145,3478,4192,	20,*15*,*03*,
					4192,4196	00,*02*
2028	0.8	+62 38	5.9	*5.51*		. . ▲
4947	0.8	+ 5 30	7.5	7.66	2747,2748	*13*,14
5908	0.8	− 5 51	7.5	7.51	2755,2762	05,*05*
6139	0.8	−15 23	6.8	*7.10*		▲ . .
1802	0.9	+64 8	4.5	4.38	3467,3475,3487,	22,*07*,11,
					3490,3491,3501,	*12*,*05*,*01*,
					3503,3504,3505,	08,12,04,
					3514,3517,3519,	*24*,*12*,*07*,
					3525,3802,3807,	*04*,*09*,*18*,
					3810,3814,3823,	28,04,*17*,
					3829,3833,3841,	24,*23*,04,
					3852,3855,3866,	01,13,15,
					3867,3871,3873,	*27*,06,*28*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3900,3903,4170,	34,36,*19*,
					4177,4180,4182,	*06*,*03*,*11*,
					4183,4186,4195,	*05*,*02*,13,
					4197,4200,4201,	01,*08*,*02*,
					4203,4207,4211,	00,06,03,
					4228,4233,4245,	06,21,*14*,
					4545,4546,4553,	07,*09*,*11*,
					4554,4561	03,07
2459	1.0	+59 23	6.8	6.99	3505,4177,4197	27,*21*,*07*
2381	1.0	+58 18	7.3	7.59	3469,3472	*08*,08
3572	1.0	+46 45	6.5	6.52	3804,3807,3823	15,*26*,11
4678	1.0	+39 11	7.5	7.79	3167,3526	01,*01*
6209	1.0	−14 21	4.5	*4.36*		*01*, . 00
4284	1.1	+28 28	5.9	5.71	3145,3166,4192,	*01*,*21*,18,
					4192,4196	06,*01*
4703	1.2	+35 55	7.3	7.62	3167,3473	*02*,03
4984	1.2	+ 9 36	7.2	7.14	2747,2748	01,00
3574	1.3	+46 16	6.5	6.29	3804,3807,3823	23,*12*,*12*
3549	1.4	+51 13	7.3	7.14	3469,3505,3525	*03*,*04*,06
2334	1.6	+60 51	7.5	7.21	3505,3807	14,*14*
4804	1.6	+ 4 42	7.5	*7.60*		▲ . .
4584	1.6	+ 1 57	7.0	6.54	2747,2748,4180,	*21*,*24*,59,
					4544,4545,4546,	*08*,01,04,
					4546	*12*
4729	1.7	+11 59	7.3	*7.20*		. ▲ .
5833	1.7	−22 44	6.8	6.89	3112,3120,3841	*10*,*11*,21
4041	1.8	+44 37	7.0	6.42	3801,3804,4177	11,*04*,*07*
4126	1.8	+43 48	7.2	7.83	3804,4177	08,*08*
4043	1.9	+44 31	4.7	5.40	3801,3804,4197	18,*14*,*05*
4665	1.9	+16 15	7.3	7.55	2720,2747,2747	*17*,23,*07*
5756	1.9	−10 56	6.8	7.00	2769,3096,3100	00,02,*03*
6362	1.9	−20 3	7.3	7.57	3120,3152	05,*05*
R	1.9	−47 27	. .	2.63	4196,4253,4253	*36*,05,31
673	1.9	+82 23	7.5	*6.49*		▲ . .
674	2.0	+82 23	8.0			
2029	2.0	+62 18	6.0	*5.36*		. . ▲
3692	2.0	+47 45	6.5	6.16	3804,3807,3842,	14,*47*,*11*,
					4177,4179,4183	*18*,25,37
17605	2.0	−28 38	7.6	7.28	3112,3120	*04*,04
2246	2.1	+61 48	6.0	*5.18*		. . ▲
4730	2.1	+11 16	7.4	*7.26*		. ▲ .
6166	2.1	−21 15	7.3	7.47	3152,3155	03,*03*
2337	2.2	+60 15	7.5	*7.26*		▲ . .
2702	2.2	+56 38	7.5	7.54	3469,3472	14,*15*
3105	2.2	+53 8	7.2	7.09	3469,3505,3525	*17*,*01*,19
4044	2.2	+44 46	6.3	5.90	3842,3843	07,*06*
6143	2.2	−14 59	7.0	6.64	3852,3878	12,*11*
3736	2.3	+49 48	7.5	7.57	4177,4544,4545	*08*,08,00
4533	2.4	+24 51	4.0	4.05	3145,4177,4192,	*05*,*14*,09,
					4192,4196,4544,	10,02,*01*,
					4545,4546,4546	*09*,12,00
5837	2.4	−10 34	7.7	7.46	2769,3096	04,*04*
4792	2.5	+ 9 11	7.1	*7.02*		. ▲ .
15922	2.5	−33 29	4.7	4.53	3112,3119,3120,	*27*,19,*20*,
					3122,3149,3168,	06,*44*,*03*,
					3467,3468,3469,	R,02,*02*,
					3475,3519,3814,	59,*04*,11,
					3826,3840,3841,	*03*,17,*12*,
					3867,3867,3873,	16,05,*15*,
					4177,4179,4180,	11,07,07,
					4182,4182,4183,	26,*11*,*02*,
					4186,4193,4198,	05,01,*04*,
					4200,4211,4243,	03,06,*13*,
					4253,4553,4554	*35*,*11*,00
15163	2.5	−35 3	7.1	7.14	3108,3119,3503	10,10,*21*
4586	2.6	+29 49	7.2	*7.41*		▲ . .
15421	2.6	−34 32	5.4	5.17	3112,3121,3149,	*07*,04,*16*,
					3168,3519,3814,	*06*,00,05,
					3826,3840,3867,	*16*,02,05,
					4177,4179,4180,	06,10,07,
					4182,4186,4193,	*12*,17,*15*,
					4197,4198,4200,	*15*,13,16,
					4211,4253,4553	00,*06*,14
2679	2.7	+55 51	6.8	*6.22*		*11*, . 11
4428	2.7	+34 2	7.5	6.98	3167,3468,3829	02,*03*,02
4930	2.7	+18 59	6.1	*5.78*		. . ▲
4696	2.7	+10 17	7.6	*7.48*		*01*,01, .
4712	2.8	+35 37	7.0	*7.72*		▲ . .
4693	2.8	+17 32	6.5	6.43	2720,2747,3895	*15*,15,*01*
6075	2.8	−18 19	7.8	7.76	3814,3826,3841,	01,*06*,16,
					4183,4183,4186,	*13*,*06*,06,
					4186,4193,4193,	*28*,*05*,*01*,
					4545,4545,4546,	08,*14*,17,
					4546,4553,4553	35,*15*,03
3248	2.9	+51 19	7.0	7.05	3469,3505,3525	00,05,*05*
15926	2.9	−33 37	6.4	6.42	3108,3112,3504,	09,02,*04*,
					3517	*07*
5617	3.0	− 4 1	7.5	7.51	2755,2762	*15*,15
6451	3.0	−17 2	7.0	7.44	2769,3096	*02*,01
4695	3.1	+21 13	5.8	5.75	3526,4177,4192,	*14*,01,*02*,
					4192,4196,4544,	*02*,10,*03*,
					4545,4546,4546	02,*12*,16
4760	3.1	+12 34	7.5	7.56	2720,2747	*20*,19
15998	3.1	−26 16	7.3	7.06	3120,3152	15,*15*
15212	3.1	−36 33	7.5	7.37	3503,3519,3525	00,06,*07*
4673	3.4	+17 4	7.3	6.98	3720,3747,3895	*10*,00,11
6218	3.4	−13 47	7.2	6.91	2769,3096,4193	17,*11*,*05*
6227	3.5	−19 1	6.0	5.73	3096,4180,4198	*11*,14,*03*
4303	3.7	+42 27	7.5	7.52	3801,3807	*08*,08
4540	3.7	+25 8	7.0	*6.03*		13, . *13*

22^h

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
4472	3.7	+23 41	6.8	6.60	3145,3166,3467	*02*,07,*04*
2393	3.8	+58 21	6.7	6.31	3469,3472,3840	20,*07*,*12*
3114	3.8	+52 49	6.2	6.50	3505,3525,3807	10,*13*,04
4135	3.8	+43 43	7.3	7.43	3801,3807	05,*05*
17029	3.9	−24 9	6.6	6.51	2758,3120,3841	*03*,*05*,08
4696	4.1	+21 40	6.8	7.08	3145,3166	10,*11*
4474	4.1	+ 2 14	7.2	6.59	2747,2748,3895	04,*09*,06
5817	4.1	− 8 41	7.0	*6.99*		. ▲ .
15430	4.1	−34 31	5.7	5.84	3112,3121,3168,	16,*13*,*33*,
					3814,3826,3867,	10,*03*,*01*,
					4177,4179,4180,	20,23,13,
					4182,4186,4193,	04,*08*,*23*,
					4197,4198,4200,	*01*,*13*,*02*,
					4253,4554	*12*,20
5818	4.2	− 8 2	6.5	6.63	2755,2762,3852	00,11,*10*
3746	4.3	+49 18	6.9	6.49	3842,3823,4177	07,*12*,04
17622	4.3	−28 47	6.5	6.46	3120,3152,3841	06,06,*13*
15941	4.3	−33 3	5.3	5.02	3120,3121,3149,	04,01,23,
					3826,3867,4177,	04,*32*,*05*,
					4180,4186,4193,	24,*08*,*10*,
					4197,4198,4253,	*01*,07,*10*,
					4554	01
3818	4.6	+45 15	6.2	6.65	3801,3810,4197	05,24,*30*
14915	4.6	−38 15	7.1	7.03	3108,3119,3481	*01*,23,*22*
1402	4.7	+67 49	7.5	7.48	3109,3116	00,*01*
15438	4.7	−34 19	7.5	7.40	3503,3504,3519	08,*04*,*05*
3706	4.8	+47 27	6.9	6.83	3525,3804,3804,	00,03,04,
					3842	*07*
4849	4.8	+32 41	5.7	5.73	3468,4177,4192,	*06*,*03*,10,
					4192,4196,4544,	01,10,12,
					4545,4546,4546	*17*,*10*,05
1107	4.9	+71 48	7.5	*7.60*		. ▲ .
4698	4.9	+21 45	7.3	7.62	3145,3166	*04*,05
4058	5.0	+44 22	6.9	6.72	3842,3843	*05*,04
4610	5.0	+34 37	7.5	7.29	3167,3473	21,*21*
4672	5.0	+ 3 35	7.5	7.62	2747,2748	*09*,08
1221	5.1	+70 12	6.8	7.02	3840,3842	*01*,00
3711	5.1	+48 2	7.0	7.32	3807,3810	16,*15*
4059	5.1	+44 21	6.9	6.56	3842,3843	08,*09*
2847	5.2	+60 45	7.5	7.78	2525,3807	*07*,06
4961	5.2	+ 5 42	3.4	*3.68*		. 10,*11*
5623	5.2	− 4 23	6.8	6.13	3100,4180,4193	*07*,17,*10*
5770	5.2	−11 19	6.5	*7.03*		. ▲ .
6196	5.2	−12 4	5.7	*5.38*		. . ▲
1109	5.3	+71 53	7.2	*7.00*		. Λ .
2395	5.3	+58 48	6.5	6.56	3472,3505,3525	*07*,04,02
5625	5.3	− 4 46	6.0	6.06	3100,4180,4193	*10*,17,*06*
4563	5.4	+22 38	7.3	7.28	3145,3166	*10*,09
2348	5.5	+60 30	7.3	*7.26*		▲ . .
4352	5.5	+32 41	3.8	4.46	3468,4177,4192,	02,01,*11*,
					4192,4196,4544,	13,03,*08*,
					4545,4546,4546	09,08,*15*
4946	5.5	+19 8	7.0	6.07	2720,3487,3488	*09*,*05*,13
4861	5.5	+14 7	6.2	*6.41*		. . ▲
6173	5.5	−21 44	6.0	6.18	3152,4182,4193	22,*09*,*12*
4307	5.6	+43 9	7.5	7.86	3801,3807,3810	*04*,*06*,09
4701	5.7	+11 8	6.0	*5.92*		. . ▲
4614	5.8	+34 43	6.8	6.85	3829,3895	*03*,03
4645	5.8	+31 48	7.1	7.33	3167,3473	17,*17*
5093	5.8	+20 29	6.0	*6.41*		. . ▲
15811	5.8	−27 39	7.1	7.04	3119,3120	*02*,02
15193	5.8	−34 58	6.8	6.72	3108,3112,3503	*18*,15,02
14928	6.1	−38 48	7.2	6.71	3481,3503,3519	00,*06*,05
4604	6.3	+30 4	6.5	6.31	3829,3895	*09*,09
1017	6.5	+72 17	7.2	7.54	3109,3116	*09*,10
2695	6.6	+55 36	7.3	6.78	3826,3840	*14*,14
3720	6.6	+47 25	7.5	7.62	3525,3807	*20*;21
1815	6.7	+63 38	7.2	7.07	3116,3143,3144	10,*10*,00
4276	6.7	+27 14	7.2	7.07	3166,3467,3829	*07*,*07*,14
4309	6.8	+28 45	7.2	7.44	3166,3467	*14*,15
4315	6.9	+42 32	6.7	6.80	3801,3804,3826	02,11,*14*
4725	6.9	+35 46	7.0	7.25	3473,3802,3829	*08*,02,05
15821	6.9	−27 35	7.5	7.44	3119,3120	*12*,12
4318	7.0	+43 2	7.0	7.48	3801,3807,3826,	*06*,20,*20*,
					3842	05
4981	7.0	+ 6 24	7.9	7.01	2747,2748,3895	*16*,03,13
5777	7.0	−11 34	7.3	7.36	2769,3096	04,*04*
3722	7.1	+48 11	6.8	6.72	3525,3807,3826	*05*,26,*22*
4701	7.1	+39 13	7.2	7.40	3473,3802	05,*06*
4592	7.1	+15 33	6.3	6.18	2749,4196,4200	*31*,10,20
6229	7.1	−14 42	6.5	*6.17*		09,02,*12*
3602	7.2	+50 20	6.0	*5.44*		13, . *14*
4476	7.2	+ 2 14	7.5	7.02	2747,2748	01,*02*
5830	7.3	− 8 31	7.0	7.04	2755,3096,3852	*11*,*09*,19
6175	7.3	−21 23	7.3	7.59	2758,3119	*05*,05
16033	7.3	−26 50	6.4	*6.15*		. *11*,11
2475	7.4	+57 42	4.1	*3.70*		. . Λ
4506	7.4	+37 55	7.3	7.36	3802,3810	*03*,03
5727	7.4	− 6 58	7.4	7.37	2755,3096	*11*,11
4548	7.5	+24 28	6.5	6.19	3802,4177,4192,	15,*18*,12,
					4192,4196,4544,	03,*09*,12,
					4545,4546,4546	*06*,08,*17*
5732	7.5	− 5 13	6.7	*6.44*		06,15,*20*
4785	7.6	+37 10	7.5	7.62	3802,3810	*05*,05
4507	7.7	+37 23	7.5	8.06	3802,3810	01,00
4486	7.8	+23 16	7.5	7.50	3166,3467	17,*18*
1111	7.9	+71 51	5.2	*5.02*		. *09*,08
3767	8.0	+49 42	7.2	7.30	3525,3807	*16*,17
3612	8.0	+46 36	7.2	6.67	3525,3807,3826	*03*,14,*12*
2402	8.1	+58 56	5.6	5.27	3472,3505,3525	*10*,*01*,12

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
6209	8.1	−12 26	7.0	*7.06*		. A .
15815	8.1	−25 41	5.9	*5.53*		. *11*,11
2727	8.2	+56 21	6.0	*5.48*		. . A
4322	8.2	− 0 15	7.4	*7.99*		*16*,16, .
5714	8.2	− 2 9	7.4	7.24	2755,3096	*05*,06
1112	8.3	+71 37	6.7	*6.36*		. A .
1228	8.4	+69 38	5.9	*5.57*		. . A
4456	8.4	+34 7	5.8	5.53	3167,4177,4192, 4192,4196,4544, 4545,4546,4546	*13*,12,*05*, 07,*03*,15, *06*,*05*,*06*
4712	8.4	+17 48	7.0	6.62	2747,2748,3895	*14*,15,*01*
2403	8.5	+58 34	6.3	6.52	3472,3505,3514	*20*,13,07
2702	8.6	+54 36	7.5	7.44	3525,3807,4177, 4179,4183,4185	*21*,48,04, *15*,*02*,*13*
4368	8.6	+33 6	7.2	7.32	3167,3802	08,*08*
4691	8.6	+25 26	6.8	6.72	3829,3895	03,*04*
5738	8.6	− 4 57	7.3	7.07	3096,3100	11,*11*
17653	8.6	−28 16	5.6	5.36	3120,4182,4193	08,02,*10*
2358	8.7	+60 16	5.4	*5.56*		00, . 01
4379	8.7	+26 49	7.5	7.18	3166,3467	*08*,07
6180	8.8	−21 35	5.5	5.40	3120,4182,4193	*20*,21,*01*
19073	8.8	−29 54	8.6	8.68	3519,3531,3873	*06*,*05*,12
6249	8.9	−19 44	6.5	7.16	2769,3096	*07*,06
3643	9.0	+48 52	7.4	7.89	3475,3525	*11*,11
4280	9.1	+28 7	6.4	6.02	3467,4177,4192, 4192,4196,4544, 4545	10,01,00, *09*,*04*,*03*, 08
6169	9.2	−15 36	7.3	7.02	2769,3096	*07*,06
17081	9.2	−24 30	6.9	6.83	2758,3119,3841	*05*,07,*01*
2048	9.3	+62 48	6.5	*6.00*		. . A
6046	9.3	−16 19	6.5	6.60	2769,3096,3852	*15*,08,08
3646	9.4	+48 52	7.1	7.56	3475,3525	00,00
4829	9.4	+ 7 28	7.5	6.60	2747,2748,3895	*05*,04,02
3146	9.6	+52 39	7.1	7.60	3525,3807	*15*,14
4711	9.6	+39 13	4.9	*4.62*		. . A
4694	9.6	+16 41	6.7	6.59	2747,2748,3895	*21*,18,02
14810	9.6	−41 51	5.0	4.80	3823,3826,4177, 4180,4193,4197, 4201,4253	*07*,12,02, 05,03,20, *15*,*17*
2409	9.7	+58 48	7.5	7.23	3472,3505,3514	*14*,31,*18*
3649	9.7	+48 58	7.0	7.26	3475,3525	*06*,06
4073	9.7	+44 57	6.0	*5.38*		04, . *04*
4687	9.8	+ 3 46	6.7	7.06	2747,2748	*03*,04
4789	10.0	+36 20	7.2	7.46	3802,3810	*02*,01
4327	10.0	+29 4	7.3	7.10	3166,3467,3802, 3810	10,*23*,11, 00
4493	10.1	+23 48	7.2	6.96	3166,3467,3829, 3895	*09*,00,08, 03
4719	10.1	+22 2	6.6	6.69	3166,3473,3829	*02*,05,*04*
1287	10.4	+68 28	7.3	7.32	3109,3116	*14*,15
R	10.4	−42 8	. .	5.17	3802,3823,3826, 4180,4193,4197, 4201	08,*09*,22, *18*,*21*,17, 02
4338	10.5	+42 28	6.0	5.74	3475,4177,4197	15,*07*,*08*
3298	10.6	+52 1	7.3	7.94	3525,3807	*08*,08
4689	10.6	+ 3 46	7.3	7.36	2747,2748	*03*,04
17334	10.6	−23 31	7.3	7.22	2758,3119	*11*,10
2053	10.7	+62 40	7.0	6.21	3109,3116,3840	*13*,06,07
3656	10.8	+48 51	7.3	7.52	3475,3525	01,00
4162	10.9	+43 16	7.0	6.95	3475,3801,3826	03,03,*07*
4834	11.0	+ 8 3	7.0	6.03	2747,2748,3895	02,01,*04*
16057	11.0	−26 24	6.5	6.13	3488,4182,4193	*14*,11,03
18721	11.0	−31 0	7.5	7.84	3108,3113,3488, 3519,3531,3873	21,*06*,*08*, 12,*22*,00
1022	11.1	+72 49	6.5	*6.22*		. . A
3627	11.1	+50 59	7.5	7.70	3807,3810,3814, 3826	R,*03*,12, *09*
4765	11.1	+11 15	7.4	7.04	2747,2748	*09*,10
4769	11.2	+40 21	7.3	*7.92*		A . .
2741	11.3	+56 33	5.1	4.23	3505,3514,3807, 3810,3842	16,01,*14*, 03,*05*
4163	11.3	+43 15	7.5	7.51	3475,3801	08,*08*
5726	11.4	− 2 6	6.3	6.09	2755,2769,3096	10,*10*,01
6227	11.4	−12 9	7.5	7.21	2769,3096	*11*,11
6148	11.4	−13 20	6.0	5.50	3096,4180,4193	*10*,15,*06*
6401	11.4	−20 31	7.7	7.36	3501,3501	*06*,06
17344	11.4	−23 39	6.7	6.36	2758,3119,3841	*08*,14,*05*
15235	11.4	−35 16	7.0	6.98	3108,3112,3481	04,*13*,10
818	11.5	+75 58	7.0	*7.12*		A . .
6180	11.5	−15 10	7.2	6.98	3096,3100	20,*20*
4526	11.6	+37 15	4.8	*4.30*		. . A
5845	11.6	− 8 17	4.0	4.32	3100,3886,4180, 4193	*10*,01,08, 01
5948	11.6	− 9 32	6.2	*6.02*		09, . *08*
17678	11.6	−27 54	7.1	*7.15*		. . A
2413	11.7	+58 36	7.5	7.08	3472,3505,3514	*11*,11,01
4165	11.7	+43 25	7.3	7.40	3475,3801,4177	*06*, R,06
4469	11.8	+33 14	7.4	7.24	3167,3802	06,*07*
4793	11.8	+12 27	7.5	7.54	2747,2748	*09*,10
16995	11.8	−32 16	7.3	7.07	3108,3113,3488	21,03,*23*
4083	11.9	+44 35	7.3	7.12	3475,3801,3842, 3842	*17*,01,04, 12
4288	11.9	+27 18	6.6	6.43	3473,3526,3802, 3829	*13*,09,*01*, 05
4601	11.9	+22 24	6.7	6.80	3166,3473,3829	17,*05*,*11*
5960	11.9	− 5 54	5.5	*5.70*		. . A
4668	12.0	+32 7	7.3	7.58	3167,3802	02,*02*
17351	12.0	−23 37	7.5	7.57	2758,3119,3526	01,03,*05*
4337	12.1	+28 41	7.0	6.75	3473,3526,3829	*21*,13,08
6057	12.1	−16 29	7.2	7.12	3094,3096	05,*04*

22^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4625	12.2	+29 35	7.2	7.59	3473,3526	*11*,11
4797	12.2	+12 23	7.0	6.94	2747,2748,3886	*09*,00,10
4766	12.4	+14 33	7.5	7.17	2748,2749	*10*,10
14726	12.4	−37 6	7.7	7.13	3108,3112,3481	13,*03*,*09*
4723	12.5	+21 54	7.5	7.44	3166,3473	03,*03*
2746	12.8	+56 43	6.5	6.05	3505,3514,3807, 3826,3840,3842	16,15,*21*, *07*,*02*,01
4705	12.8	+25 53	7.5	7.34	3166,3473	06,*06*
17361	12.9	−23 50	7.2	7.25	2758,3119,3526	03,*05*,02
4333	13.0	− 0 45	7.0	*6.36*		▲ . .
6193	13.0	−21 30	8.6	8.32	3499,3499	01,*02*
2272	13.1	+61 49	7.1	7.00	3109,3116,3840	*12*,07,06
4399	13.2	+26 26	7.0	6.80	3473,3526,3829	*16*,20,*03*
4887	13.2	+13 27	6.8	7.02	2748,2749	05,*05*
2056	13.4	+63 12	7.5	7.38	3109,3116	*10*,09
4727	13.4	+38 31	7.3	7.48	3155,3802	02,*01*
3665	13.5	+48 37	6.6	6.62	3475,3801,3842	08,*09*,02
6255	13.6	−13 48	6.5	6.12	3094,3852,4193	*09*,03,06
17694	13.7	−28 43	7.0	6.92	3113,3119,3519, 3531,3873	03,16,*14*, *07*,00
4897	14.0	+19 28	6.8	*7.05*		▲ . .
4617	14.1	+15 45	7.5	6.93	2748,2749,3886	04,*06*,02
6491	14.1	−17 13	7.5	7.37	2749,3094	16,*16*
1746	14.2	+65 38	7.0	7.06	3840,3842	01,00
17700	14.2	−27 53	7.8	7.64	3113,3119	*06*,06
4892	14.5	+13 35	7.5	7.82	2746,2748	*05*,05
4537	14.6	+37 15	6.5	6.11	2720,3155,3802, 3829	*21*,19,04, 00
4348	14.6	+28 21	7.5	7.11	3473,3526,3802	*25*,26,*01*
4772	14.6	+15 3	7.0	*7.19*		▲ . .
4393	14.7	+33 0	7.2	7.30	3155,3167	10,*10*
3324	14.8	+52 9	7.5	7.35	3514,3807	12,*12*
18301	14.8	−29 48	9.0	9.37	3531,3873	09,*09*
2059	14.9	+62 18	6.0	5.86	3840,4179,4198	01,05,*06*
4477	14.9	+34 1	7.5	7.05	3155,3167	15,*15*
5855	14.9	− 8 19	6.2	5.30	4180,4193,4545, 4546,4546	21,*22*,*18*, 02,15
3880	15.0	+45 29	7.3	*7.97*		▲ . .
15264	15.0	−35 1	7.0	6.97	3108,3112,3481	07,10,*18*
1238	15.1	+69 33	7.8	7.48	3109,3116	00,*01*
4576	15.2	+25 13	7.4	*7.61*		▲ . .
4998	15.5	+ 5 17	6.1	*5.41*		25,*07*,*18*
5963	15.6	− 9 17	7.2	7.43	2755,2769	00,00
4896	15.8	+13 32	6.5	6.65	2735,2746,3886	02,12,*13*
2506	15.9	+59 38	6.8	*7.16*		▲ . .
2724	15.9	+55 40	7.5	*7.30*		▲ . .
3181	15.9	+52 22	7.5	7.73	3514,3807	16,*16*
3334	15.9	+51 30	7.5	7.90	3514,3807	10,*10*
4853	15.9	+ 7 41	7.0	6.17	2735,2746,3886	07,17,*23*
4811	16.1	+36 48	6.9	6.98	3155,3802,3829	02,02,*05*
4657	16.1	+34 38	7.4	7.30	3155,3167	10,*10*
5897	16.1	−22 5	5.7	*5.46*		. 23,*22*
5972	16.2	− 6 44	7.5	7.46	2755,2762	*10*,10
15279	16.2	−35 1	7.3	7.44	3108,3112,3481	00,03,*03*
1426	16.3	+67 55	7.3	7.52	3109,3116	*14*,15
15887	16.3	−25 52	7.3	7.66	3113,3119	*10*,10
15280	16.3	−34 59	7.5	7.38	3108,3112,3481	*04*,*01*,05
2755	16.4	+56 25	6.7	6.54	3472,3505,3514, 3807	*14*,07,19, *10*
3341	16.4	+51 21	7.5	7.08	3514,3807,3826	*09*,09,*01*
4685	16.4	+30 48	7.0	7.65	3155,3167	05,*05*
4410	16.4	+26 26	6.5	6.50	3473,3526,3829	*16*,13,03
5741	16.5	− 1 53	4.0	*3.81*		. . ▲
3673	16.6	+50 28	6.5	6.53	3826,3840	*16*,16
4898	16.6	+13 52	7.0	6.94	2746,2748,3886	03,03,*06*
4784	16.6	+11 42	5.5	4.92	3855,3886,4196	04,*09*,05
6411	16.6	−19 57	7.3	7.83	2749,2768,3109, 3116,3487,3490, 3503,3852,3878, 3886	45,*25*,01, 12,03,*24*, 05,*11*,*08*, 01
4299	16.7	+27 50	5.0	4.98	3473,3526,3802	*19*,05,13
5133	16.7	+20 33	7.5	*7.85*		▲ . .
3893	16.8	+45 33	7.0	*7.42*		▲ . .
3894	16.9	+46 2	5.0	4.67	3491,4197,4544	18,11,*29*
2508	17.0	+57 54	7.2	6.53	3472,3491,3826	04,*05*,01
820	17.1	+76 0	6.8	6.64	3840,3842	*07*,08
4786	17.3	+15 8	7.0	6.64	3886,3895	06,*07*
4814	17.5	+40 10	6.5	6.66	3829,3895	*08*,07
4469	17.6	+41 36	6.5	6.27	3168,3491,3842	*17*,13,04
16110	17.6	−26 20	7.6	7.84	3113,3119	*01*,00
822	17.7	+75 31	7.3	*7.37*		▲ . .
6208	17.9	−15 27	7.0	7.06	2749,2768	00,00
15905	17.9	−25 16	5.9	5.61	3113,4182,4193	07,08,*14*
1501	18.0	+66 28	7.5	7.26	3109,3112,3113, 3116,3119,3120, 3122,3129,3130	02,*08*,01, 01,12,02, *12*,11,*09*
4695	18.0	+30 15	7.5	*8.01*		▲ . .
4645	18.0	+29 51	7.5	*7.61*		▲ . .
4408	18.3	+33 6	7.5	7.55	3155,3167	*05*,05
4353	18.3	+ 0 7	7.5	6.74	2748,2749,3886	13,*05*,*07*
5765	18.3	− 7 42	6.5	*6.03*		. . ▲
4785	18.4	+36 10	6.5	6.63	3829,3895	02,*02*
15887	18.5	−26 52	7.8	*7.98*		. ▲ .
2070	18.6	+62 38	7.5	6.86	3109,3116,3840, 3842	02,01,*09*, 08
4724	18.7	+17 9	7.5	7.47	2746,2748	00,00
14697	18.7	−39 38	7.2	6.63	2391,3108,3112, 3488,3857	24,11,16, *27*,*25*
1759	18.8	+66 12	6.3	6.73	3840,3842	12,*12*
5139	18.8	+20 20	6.0	6.08	3166,3487,4196	*11*,*09*,19

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5904	18.8	−10 42	7.0	7.26	3096,3852	16,*16*
5904	18.8	−22 6	7.5	7.42	3119,3120	*08*,08
5780	18.9	− 5 20	5.7	*5.82*		05, . *06*
16056	18.9	−33 46	7.5	7.78	3488,3519,3525	*01*,*04*,04
6276	19.1	−14 2	6.5	5.89	3096,4180,4193	*09*,20,*11*
17160	19.1	−23 52	7.5	7.31	2758,4182,4192,4192,4193,4200,4545,4546,4546,4553,4553	*03*,11,20,*05*,*04*,09,02,04,*07*,*09*,*14*
4790	19.2	+14 46	7.0	6.67	2746,2748,3886,3895	*10*,*20*,06,23
15896	19.2	−27 21	7.1	7.16	3113,3119	*05*,06
2765	19.3	+56 47	6.7	6.19	3472,3505,3514	*08*,04,04
4703	19.3	+30 46	6.6	*7.46*		▲ . .
15040	19.3	−38 20	7.4	7.26	3108,3112,3488	*04*,11,*06*
2737	19.4	+55 28	7.2	7.22	3840,3842	05,*06*
4120	19.4	+44 51	7.5	*7.22*		▲ . .
4290	19.4	− 1 41	7.5	6.68	3852,3878	*18*,19
4560	19.5	+38 4	6.8	6.20	3155,3487,3829	10,*05*,*05*
2291	19.6	+61 55	6.5	6.01	3116,3121,3840	06,*05*,00
3358	19.6	+51 44	4.7	4.62	3469,3514,4197	*17*,29,*11*
4639	19.6	+15 48	7.3	7.07	2746,2748	00,00
3695	19.7	+50 42	7.2	*7.22*		▲ . .
4642	19.7	+15 38	9.0	*8.97*		. ▲ .
4674	20.0	+34 56	7.1	*7.67*		▲ . .
4872	20.2	+ 0 52	4.5	*4.66*		. 16,*15*
3715	20.4	+48 58	5.0	4.65	3168,3525,4197	*15*,*13*,27
6423	20.4	−20 44	7.3	6.82	2758,3119,3870	*06*,04,02
4416	20.5	+32 18	6.9	6.90	3155,3167,3829	10,00,*11*
17758	20.6	−28 31	7.4	7.59	3113,3119	*01*,01
4751	20.7	+22 5	7.5	7.56	3166,3473	11,*12*
17171	20.7	−24 11	6.3	*6.10*		. *04*,05
630	20.9	+84 0	7.0	*7.49*		▲ . .
4489	20.9	+41 32	7.3	7.83	3168,3525,3801	*13*,10,03
4746	20.9	+17 57	6.7	6.40	2746,2748,3870	*13*,17,*03*
5790	20.9	− 5 41	8.0	7.31	2755,2762	*05*,05
3706	21.1	+50 45	7.0	6.87	3469,3505,3514	*06*,10,*03*
5443	21.1	− 3 17	7.2	7.02	2755,2762,2769	*03*,*03*,07
6520	21.1	−17 15	6.2	5.68	2768,3083,4198	05,15,*21*
6521	21.2	−17 15	6.5			
383	21.3	+85 36	5.0	*5.36*		*05*, . 05
5873	21.3	− 7 53	7.0	6.89	2755,2762,3852	*06*,15,*10*
2074	21.4	+63 4	7.5	7.52	3116,3121	05,*06*
4730	21.4	+25 24	6.7	*7.11*		▲ . .
5833	21.4	−11 44	7.0	*7.02*		. ▲ .
4317	21.5	+28 2	7.5	7.27	3473,3487	*11*,11
4705	21.5	+ 3 53	6.0	*5.90*		. 17,*16*
6526	21.6	−17 46	7.5	7.58	2749,2768	15,*15*
384	21.7	+85 43	6.5	*6.78*		▲ . .
1234	21.7	+70 49	7.0	7.52	3109,3116	*04*,05
2393	21.7	+60 19	7.5	*7.96*		▲ . .
2874	21.8	+53 19	7.1	7.44	3469,3505,3514	*18*,08,14
17093	21.8	−32 8	7.5	7.60	3488,3519,3525	*18*,04,14
2876	21.9	+53 26	7.1	7.37	3469,3505,3514	*05*,*17*,23
4642	22.0	+22 18	7.2	7.82	3166,3473	05,*05*
4755	22.0	+21 23	7.5	7.90	3166,3473	07,*07*
5761	22.0	− 1 49	7.3	6.83	2755,2762,3852	*04*,16,*13*
15916	22.1	−26 55	7.1	7.18	3113,3119	*15*,16
4834	22.2	+36 16	7.5	7.94	3155,3487	16,*17*
3935	22.3	+46 4	7.5	7.64	3168,3491	*04*,05
2079	22.4	+62 49	7.0	7.18	3109,3116	00,*01*
4835	22.4	+36 57	6.5	6.39	3155,3487,3829	*19*,06,12
14719	22.4	−39 36	7.6	7.41	3108,3109,3488	*07*,08,*02*
4711	22.5	+30 27	6.7	*7.61*		▲ . .
860	22.8	+77 44	6.8	6.50	3116,3121,3840	14,*18*,05
3941	22.8	+45 17	7.0	*7.27*		▲ . .
4428	22.8	+33 1	7.5	7.50	3155,3167	20,*20*
4710	22.8	+ 4 12	4.8	4.94	2748,4196,4200	06,*12*,06
14723	22.8	−39 38	5.7	5.45	3152,3468,3475,3488,3801,3802,3843,3873,3886,4182,4197,4201,4546	29,*10*,*03*,*15*,13,*02*,*28*,07,13,07,*03*,*08*,02
4504	23.1	+41 31	7.8	7.81	3168,3525	09,*09*
4841	23.1	+39 19	6.0	6.00	3155,4179,4196	00,*13*,12
2750	23.2	+55 56	6.5	6.59	3840,3842	13,*13*
4701	23.2	+31 20	6.2	*6.17*		. . ▲
4804	23.2	+11 45	7.5	7.19	2742,2748	15,*15*
5920	23.3	−22 34	7.8	7.30	2758,3108	*09*,08
R	23.3	−44 0	. .	8.96	3467,3468,3475,3487,3802,4201,4546	06,22,15,*03*,*16*,*02*,*20*
4746	23.4	+16 46	7.5	7.52	2742,2748	*05*,05
14810	23.4	−37 28	7.7	7.53	3109,3113,3488,3873,3886,3897,4182,4188,4186	*08*, R ,*10*,*35*,11,23,08,*04*,12
1240	23.5	+70 16	6.0	5.65	3469,3475,3487,3490,3491,3497,3503,3505,3514,3517,3526,3528,3534,3801,3802,3804,3810,3814,3823,3829,3841,3843,3855,3871,3873,3878,3895,3897,3905,4177,4179,4180,4182,4183,4186,4195,4198,4201,4207,4228,4233,4243,	*21*,*03*,12,*11*,11,02,*01*,26,*05*,*01*,08,17,*03*,16,03,*06*,*29*,*26*,*13*,*09*,*21*,*14*,07,13,*13*,*03*,24,01,19,13,02,*06*,07,07,*03*,06,*16*,*09*,*16*,*14*,14,31,

22^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4245,4245,4261,4544,4545,4553,4554,4561	03,08,13,01,*21*,07,*08*,01
4437	23.5	+26 31	6.8	6.63	3467,3829,4196	00,*10*,09
4593	23.5	+24 23	7.5	7.52	3166,3467	05,*06*
4594	23.5	+24 18	6.8	6.66	3829,3895,3897,4196	*06*,09,10,*11*
19175	23.6	−30 30	7.3	7.76	3108,3109,3488	11,*07*,*05*
775	23.7	+81 26	7.0	*7.00*		▲ . .
2297	23.7	+61 25	7.0	6.66	3121,3122,3840	*20*,08,11
3725	23.7	+50 59	7.3	7.28	3469,3514	09,*10*
4365	23.7	− 0 32	3.3	3.66	3094,4180,4193	*10*,31,*21*
4208	23.8	+43 37	7.0	6.75	3168,3491,3842	*05*,03,01
5925	23.8	−10 15	7.5	7.56	3096,3109	*01*,01
18355	23.8	−29 10	7.5	7.30	3108,3113,3119,3525,3531,3534	22,*05*,*12*,19,*12*,*10*
15611	23.8	−34 21	7.5	7.52	3488,3519,3525	*16*,07,08
R	23.8	−44 15	. .	4.34	3468,3475,3487,3802,4201,4546	16,04,*05*,*10*,02,*04*
859	23.9	+76 56	7.3	7.25	3122,3143,3144	24,*22*,*01*
1664	23.9	+64 37	5.8	*5.76*		. . ▲
3726	23.9	+51 4	7.0	7.46	3469,3514	07,*06*
4874	24.1	+ 8 38	5.8	*5.82*		. 10,*11*
205	24.2	+87 35	7.5	*7.37*		▲ . .
15932	24.2	−27 37	6.3	*5.96*		. 06,*05*
5166	24.3	+20 52	7.4	7.66	3166,3467	11,*10*
3739	24.5	+48 57	8.0	7.99	3168,3491,4179	*09*,00,08
4381	24.5	+28 32	7.0	7.30	3467,3473	*03*,02
4439	24.5	+26 16	5.7	5.84	3467,3473,3829	06,*10*,03
6204	24.6	−13 25	7.0	6.21	2768,3096,3852	*23*,19,08
4677	24.9	+29 29	7.5	7.84	3467,3473	*05*,05
4713	24.9	+ 3 56	6.3	*5.56*		. 11,*10*
6231	24.9	−15 5	6.8	6.14	3852,3878	08,*09*
1852	25.0	+63 34	6.5	*6.38*		. . ▲
3734	25.0	+51 0	7.5	7.45	3469,3514	*06*,06
6537	25.0	−16 51	7.0	7.19	2768,3096	*06*,06
4815	25.1	+35 26	7.5	*7.77*		▲ . .
2397	25.2	+60 57	7.0	7.47	3472,3491,3514	21,*10*,*12*
4700	25.2	+35 13	6.5	6.44	3895,3897	*02*,06
5888	25.3	− 8 37	7.3	7.33	2769,3094,3487,3488,3490,3497,3504,3852,3857,3878,4180,4182,4183	60,*18*,06,*17*,03,*05*,*04*,*25*,*20*,*08*,10,*05*,23
16175	25.3	−26 35	6.7	*6.48*		. *16*,17
18854	25.3	−31 32	7.3	7.27	3108,3109,3488	*05*,*12*,16
3719	25.4	+47 11	4.8	4.61	3475,4179,4198	*19*,15,05
4770	25.4	+21 58	7.3	7.95	3166,3467	02,*02*
5850	25.4	−11 11	4.8	*4.77*		. . ▲
2897	25.5	+53 44	6.5	6.59	3469,3505,3514	15,09,*25*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4708	25.5	+32 4	6.0	5.48	3155,3167,3487,3895	*18*,02,04,12
4726	25.6	+30 42	7.0	6.65	3895,3897	*02*,02
3396	25.9	+51 54	6.7	6.60	3469,3472,3475,3840	*24*,04,00,22
3747	25.9	+48 51	7.0	6.52	3472,3475,3842	*03*,*02*,06
4835	25.9	+40 28	7.0	*7.47*		▲ . .
17126	25.9	−32 52	4.4	4.31	3108,3109,3113,3169,3467,3468,3487,3488,3519,3525,3801,3802,3807,3843,4177,4201,4545,4546	*05*,*03*,06,27,*06*,*10*,07,02,*01*,*08*,*15*,*05*,*15*,23,19,15,*15*,*17*
796	26.0	+78 17	6.0	*5.77*		. *23*,23
3960	26.0	+45 55	7.5	7.97	3168,3472	*07*,07
15362	26.0	−35 48	6.8	6.61	3108,3112,3488	06,00,*06*
739	26.1	+80 11	7.5	6.80	3840,3842	11,*12*
4420	26.1	+42 36	5.0	4.58	3472,4179,4198	*10*,00,11
5460	26.1	− 3 25	6.3	6.29	2769,3094,3852	10,17,*28*
5797	26.1	− 7 4	6.5	6.14	3852,4193	*11*,11
4555	26.4	+23 28	7.5	7.84	3166,3467	03,*02*
5855	26.4	−11 25	6.8	*6.39*		. ▲ .
2794	26.5	+56 43	7.1	6.73	3469,3472,3842	*05*,04,02
4860	26.5	+40 14	7.5	*8.17*		▲ . .
1307	26.6	+68 55	7.5	8.05	3100,3121,3472,3475,3477,3490,3491	21,*29*,*03*,*13*,26,*12*,10
15368	26.6	−35 33	7.7	7.94	3108,3112,3119	*14*,*01*,16
1256	26.8	+69 56	7.0	*7.24*		▲ . .
4154	26.9	+44 38	7.5	7.67	3168,3472	03,*03*
2403	27.0	+61 7	7.0	6.87	3472,3472,3475	*08*,07,02
4389	27.0	+29 2	6.7	6.32	3467,3473,3487	02,22,*25*
4529	27.1	+41 43	7.5	7.68	3168,3472	*08*,07
3875	27.2	+49 46	4.0	*3.80*		. . ▲
4523	27.2	+34 10	7.5	7.85	3155,3167	05,*05*
4524	27.2	+33 44	7.3	7.85	3155,3167	15,*15*
1257	27.3	+69 40	7.3	7.16	3100,3121	00,00
4665	27.3	+15 18	8.0	8.02	4180,4544	*05*,04
5805	27.3	− 6 59	7.4	6.97	2769,3094,3852	09,*07*,*01*
509	27.5	+84 33	7.2	*7.21*		▲ . .
15380	27.5	−35 39	7.3	7.21	3108,3112,3488	*01*,02,*01*
4949	27.7	+19 43	6.2	*6.30*		10, . *10*
4838	27.7	+12 32	7.0	6.56	2742,2748,3870	08,*22*,14
1857	27.9	+63 18	7.5	7.40	3121,3122	*04*,04
4670	27.9	+15 20	6.6	6.38	3870,3886	02,*02*
19208	27.9	−30 10	7.3	7.42	3108,3112,3488	15,*03*,*11*
4871	28.0	+39 16	6.2	5.79	3468,3487,3895,3897	*03*,*17*,05,16
4530	28.0	+33 44	7.5	7.65	3155,3167	05,*05*
15106	28.1	−38 39	7.9	7.90	3120,3130,3488	17,*37*,21

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2910	28.4	+53 31	6.5	6.47	3169,3469,3842	*07*,03,05
4714	28.4	+34 56	7.5	*7.47*		▲ . .
17147	28.4	−32 39	6.8	6.65	3488,4182,4193	*04*,*04*,07
4848	28.7	+40 50	7.5	8.26	3473,3487	*09*,09
15393	28.7	−35 11	7.0	6.84	3108,3112,3488	*02*,11,*08*
5947	28.8	−10 7	6.8	6.76	3852,3857	*02*,01
4611	28.9	+37 37	7.5	7.64	3468,3473	*14*,13
5781	28.9	− 2 5	6.3	5.97	3490,3852,4193	*02*,*07*,09
801	29.0	+78 19	5.7	*5.63*		. . ▲
4738	29.0	+30 46	7.5	7.82	3167,3468	08,*09*
1522	29.2	+67 5	7.4	7.80	3121,3122	06,*06*
4850	29.2	+40 18	6.7	*6.80*		▲ . .
6251	29.2	−21 13	5.7	*5.34*		. *11*,10
3983	29.4	+46 3	7.0	7.22	3168,3472	08,*07*
4843	29.5	+12 53	7.5	7.72	2742,2748	*05*,05
4383	29.5	+ 0 6	7.5	7.01	2742,2748,3852,3857	30,09,*28*,*12*
2769	29.8	+56 7	6.3	5.72	3169,3469,3505,3514	28,01,*06*,*22*
4768	29.9	+26 5	6.8	*7.26*		▲ . .
1262	30.1	+69 24	6.0	*6.04*		. . ▲
4854	30.1	+40 16	7.2	*7.00*		▲ . .
17232	30.1	−24 31	6.2	*5.98*		. *03*,04
1450	30.2	+67 59	7.3	7.61	3100,3121	05,*05*
2918	30.2	+53 34	7.3	7.46	3169,3469	*06*,06
4699	30.2	+29 27	6.8	*7.26*		▲ . .
4786	30.2	+21 47	7.3	7.92	3166,3467	15,*14*
4384	30.2	− 0 38	3.9	*4.09*		. 12,*12*
19221	30.2	−30 51	7.4	7.73	3108,3112,3113	12,*06*,*05*
2314	30.3	+61 16	6.5	6.51	3121,3149,3472,3473,3475	05,03,08,*01*,*13*
4169	30.3	+44 29	7.0	7.28	3168,3472	*08*,09
4944	30.3	+14 5	7.0	7.68	2748,2751	*01*,00
1263	30.4	+69 51	6.2	*6.26*		*07*, . 08
4744	30.4	+30 17	7.0	*7.56*		▲ . .
836	30.5	+75 43	5.7	*5.78*		*01*, . 01
6154	30.5	−17 58	6.5	*6.81*		. ▲ .
6254	30.5	−21 27	7.3	7.48	2758,2778	*04*,04
982	30.7	+73 33	7.5	7.20	3121,3149	*08*,09
1782	30.7	+65 20	7.2	*7.65*		▲ . .
1682	30.7	+64 42	7.5	7.75	3121,3149	11,*11*
6554	30.7	−16 54	7.0	6.69	3096,3100,3852	*14*,14,01
14959	30.7	−41 6	6.4	6.01	3162,3487	*09*,09
2562	30.8	+57 39	7.5	*7.49*		. ▲ .
4172	30.9	+44 39	7.0	7.10	3168,3472	10,*11*
17161	31.0	−32 11	6.1	5.85	3108,3109,3162,3169,3488,3801,3802,3807,3841,3843,4177,4201,4259,4545,4546	05,08,12,*09*,05,05,*05*,*09*,*10*,25,*13*,*01*,*07*,*05*,00
17162	31.0	−32 9	7.3	7.31	3108,3112,3488	*01*,02,*01*
4462	31.1	+32 16	7.2	7.31	3155,3468,3487	*01*,*07*,08
4965	31.1	+19 46	6.3	6.68	3870,3886	07,*06*
5905	31.1	− 8 11	7.0	7.14	2769,3094	*01*,01
14963	31.2	−41 6	6.0	5.61	3162,3468,3487,3843,4201,4259,4545	*19*,10,08,*19*,*06*,*04*,28
4808	31.4	+39 7	5.7	5.34	3155,3487,4196	*24*,*06*,30
4880	31.6	+36 15	7.2	7.50	3487,3491	*06*,05
4728	31.6	+35 4	6.3	6.13	3859,3895	*16*,16
4781	31.6	+11 11	7.2	*6.40*		. ▲ .
4463	31.7	+26 36	7.0	7.30	3467,3473	10,*09*
3903	31.8	+49 33	6.3	*6.20*		02, . *03*
4850	31.8	+12 39	7.2	7.34	2748,2749	00,01
4631	31.9	+37 19	6.9	6.75	3487,3491,3859,3895	00,01,*13*,13
4351	31.9	+27 16	7.5	7.10	3467,3473	15,*14*
2779	32.0	+55 33	6.8	6.33	3842,3843	07,*07*
4752	32.1	+30 16	7.1	*7.61*		▲ . .
4838	32.1	+12 4	6.8	*6.53*		. ▲ .
6261	32.1	−20 53	7.0	7.22	2758,3113	*06*,07
4729	32.2	+35 8	6.5	6.44	3859,3895	*21*,22
15667	32.3	−33 59	7.2	7.44	3108,3112,3488	17,*10*,*08*
4677	32.4	+22 58	6.5	7.14	3166,3467	*17*,17
5716	32.6	− 4 45	5.8	5.22	3100,4180,4193	*06*,07,*02*
1269	32.7	+69 43	7.5	7.25	3121,3149	11,*11*
4576	32.7	+23 29	6.5	6.93	3166,3467,3829	14,*07*,*06*
2932	32.8	+58 54	7.3	7.30	3169,3469	*10*,11
4457	32.9	+42 18	6.7	7.08	3168,3472	*08*,07
5912	33.1	− 8 25	6.8	6.35	2769,3094,3852	*02*,10,*07*
3770	33.2	+51 1	5.5	4.77	3472,4179,4198	*04*,02,02
4715	33.2	+29 24	7.4	7.38	3467,3473	*05*,04
18414	33.2	−29 16	6.8	6.37	2778,3108,3841	*28*,12,15
14783	33.2	−39 40	6.9	7.08	3112,3119,3519	01,02,*04*
14784	33.2	−39 0	6.7	6.74	3112,3119,3519	*06*,04,01
1049	33.3	+73 7	5.5	*5.18*		. . ▲
1687	33.3	+64 44	7.5	*7.70*		▲ . .
16160	33.3	−33 36	5.9	5.54	3100,3109,3169,3801,3807,3842,3843,4201,4202,4259,4545	15,*10*,*04*,*06*,*14*,*16*,26,04,19,*15*,*02*
4183	33.4	+44 53	7.3	*7.89*		▲ . .
4906	33.4	+ 8 44	7.3	7.74	2748,2749	*10*,11
4473	33.5	+32 43	7.3	7.72	3468,3487	01,*02*
1050	33.6	+72 22	7.0	7.46	3121,3149	*04*,03
4866	33.7	+40 36	7.1	*7.42*		▲ . .
5195	33.7	+20 43	7.2	*7.85*		▲ . .
4745	33.8	+ 4 1	6.5	*6.90*		. ▲ .
4002	33.9	+45 19	7.0	*7.07*		▲ . .
4185	33.9	+44 40	6.8	6.53	3842,3843	20,*20*

22^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5014	34.0	+19 0	6.0	5.97	3855	▲
5963	34.0	−10 33	6.9	*7.16*		*01*,01, .
1872	34.2	+63 14	6.7	7.06	3121,3155	*10*,11
4258	34.2	+44 9	7.0	7.01	3168,3472	*21*,21
17873	34.2	−28 51	6.5	*6.32*		. *05*,06
17874	34.2	−28 52	7.5	6.84	3519,3525,3841	*03*,*09*,18
1319	34.3	+68 41	7.3	7.46	3121,3155	*10*,11
4260	34.3	+43 48	6.7	6.93	3168,3472,3842	17,*13*,*04*
15441	34.3	−35 41	7.5	7.23	3112,3119,3519	*02*,05,*04*
19248	34.5	−30 28	7.5	7.37	3108,3112,3119	00,*08*,07
4898	34.6	+36 51	6.3	*6.67*		. ▲ .
6316	34.6	−19 43	6.7	7.16	2768,3096	04,*04*
2821	34.7	+56 17	6.0	5.36	3169,3843,4198	24,*27*,02
4571	34.8	+41 40	7.5	8.36	3168,3472	04,*03*
4826	34.8	+38 32	5.0	4.76	3859,4179,4196	*23*,14,09
5966	34.8	− 9 53	7.0	6.78	3852,3857	*08*,07
18920	34.8	−31 10	6.8	5.95	3108,3119,3488	07,*05*,*03*
1789	34.9	+65 38	6.8	*7.25*		▲ . .
5021	34.9	+19 10	6.5	*6.21*		. . ▲
978	35.0	+74 51	6.5	*6.06*		*09*, . 08
4651	35.0	+38 14	6.9	6.85	3468,3473,3859	09,07,*17*
4900	35.0	+37 12	7.3	*7.77*		. ▲ .
4901	35.0	+36 49	6.5	*6.74*		. ▲ .
4902	35.0	+37 4	6.0	6.21	3895,4179,4196	*01*,11,*10*
5827	35.0	− 7 3	7.5	7.13	2769,3094	*17*,17
2102	35.1	+63 4	5.3	5.19	3469,3477,3487, 3495,3497,3504, 3505,3514,3525, 3526,3534,3544, 3801,3804,3807, 3810,3842,3843, 3871,3873,3878, 3886,3895,3897, 3899,3905,4177, 4179,4180,4198, 4200,4202,4207, 4227,4243,4252, 4253,4259,4261, 4265,4544,4545, 4546,4553,4554, 4561	08,*16*,06, *13*,*11*,*06*, *41*,21,*19*, 14,*09*,26, *11*,*35*,02, 02,14,05, 16,*05*,*07*, *23*,01,07, *15*,27,*01*, 27,17,01, 14,02,25, 09,*31*,*17*, *08*,10,24, 22,*22*,*12*, 14,*09*,*05*, *11*
4761	35.1	+30 38	7.0	*8.01*		▲ . .
16010	35.1	−27 34	4.3	*4.30*		. 11,*10*
19255	35.1	−30 11	7.5	7.89	3108,3119,3488	*02*,05,*03*
4685	35.2	+22 21	6.9	7.44	3166,3467	03,*04*
17191	35.2	−32 30	7.5	7.49	3488,3519,3525	01,*07*,07
2465	35.3	+58 24	7.0	6.88	3169,3469,3842	*18*,14,03
4573	35.3	+41 40	7.3	7.48	3168,3472	02,*02*
6571	35.3	−17 18	7.5	7.59	2768,3096	*06*,06
3780	35.4	+50 38	7.5	6.74	3842,3843	10,*11*
4751	35.4	+ 4 3	6.6	*7.03*		. ▲ .
4909	35.6	+40 9	7.2	*7.07*		▲ . .
5728	35.6	− 4 4	6.7	6.30	3852,3857	03,*02*
17276	35.6	−24 2	6.9	7.01	2758,2778	*03*,03
4877	35.7	+40 49	7.2	7.36	3468,3473	07,*08*
4982	35.7	+19 32	7.5	7.22	2748,2753	15,*14*
4971	35.9	+14 1	5.8	*5.81*		. . ▲
16276	35.9	−25 52	7.3	7.22	2778,3119	*15*,14
4266	36.1	+43 46	4.8	4.51	3168,3842,4198	*01*,*01*,08
6327	36.1	−12 45	7.2	6.82	2768,3096,3852	*11*,00,10
2950	36.2	+53 20	6.0	*6.15*		. . ▲
4636	36.2	+24 42	7.3	7.29	3166,3467	11,*11*
4845	36.2	+14 58	7.5	7.66	2751,4544	02,*03*
19263	36.3	−30 33	8.0	7.76	3108,3119,3488	*01*,06,*05*
4864	36.5	+35 45	6.5	*7.07*		▲ . .
4691	36.5	+22 20	7.5	8.00	3166,3467	27,*27*
4797	36.5	+10 19	3.5	*3.62*		35,*07*,*28*
4592	36.6	+23 19	7.3	7.30	3166,3467	07,*07*
4197	36.7	+44 29	7.3	7.12	3168,3472	*02*,03
R	36.7	−47 24	. .	2.50	3481,3481	*27*,26
19267	36.8	−29 53	6.5	*6.64*		. ▲ .
3444	36.9	+51 14	7.1	6.80	3169,3469,3472, 3826	*10*,01,08, 03
4771	36.9	+30 26	6.3	6.44	3843,3859	02,*02*
5843	36.9	− 5 37	6.7	*7.04*		▲ . .
4912	37.0	+39 43	5.3	*5.23*		. . ▲
4436	37.0	+28 48	4.5	4.79	3467,4179,4196	*13*,16,*04*
4974	37.0	+14 0	6.2	*6.14*		. 10,*10*
4812	37.1	+21 52	7.3	7.29	3166,3467	*02*,02
4851	37.1	+14 42	8.5	8.21	2752,3152,3162	*03*,07,*04*
3919	37.2	+49 34	7.5	7.76	3475,3490	07,*07*
4885	37.2	+41 3	6.1	*6.07*		00, . 00
4813	37.3	+21 34	7.0	7.42	3166,3467	05,*06*
4894	37.3	+ 4 38	7.5	*7.53*		. ▲ .
1796	37.5	+65 59	7.1	7.46	3121,3155	00,01
4405	37.6	− 0 27	7.7	7.01	2769,3094,3852	*12*,*05*,16
5982	37.6	−22 11	7.0	7.28	2778,3119	*06*,06
4583	37.7	+41 53	7.5	*8.00*		. ▲ .
4406	37.7	− 0 17	7.5	6.91	2769,3094,3096, 3477,3490,3497, 3519	*12*,*05*,29, *04*,30,*26*, *10*
5975	37.7	−10 37	7.0	*7.20*		. ▲ .
R	37.7	−41 56	. .	4.84	3526,3801,3842, 4201,4202,4256, 4259,4265,4545	*16*,09,*02*, 02,18,*07*, *01*,*09*,08
6038	37.8	− 8 50	7.0	6.49	2769,3094,3852	*06*,*04*,09
4896	37.9	+ 4 26	7.0	*7.30*		. ▲ .
4912	37.9	+ 0 41	7.5	6.86	3855,3857	11,*10*
5838	38.0	− 7 29	7.0	*6.40*		. . ▲
2960	38.2	+53 23	6.0	6.24	3469,3472,3826	13,*02*,*12*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
6324	38.2	−19 21	5.1	*4.92*		10, . *11*
2961	38.3	+53 43	7.3	7.36	3169,3469	*16*,15
4920	38.3	+36 55	7.0	7.28	3468,3473	14,*15*
4741	38.3	+29 42	3.2	3.03	3467,3473,4196	*14*,08,06
4670	38.4	+37 17	6.5	6.22	3468,3473,3843	07,03,*10*
3803	38.7	+46 38	6.5	6.42	3475,3490,3842	*04*,*02*,06
4805	38.7	+10 26	7.3	6.44	3855,3857	17,*18*
1055	38.8	+72 44	7.3	7.68	3121,3155	24,*24*
1701	38.8	+64 22	6.8	*7.35*		▲ . .
2963	38.8	+54 14	7.4	7.36	3169,4179	*06*,07
4763	38.8	+ 3 21	7.5	7.53	2751,2752	*10*,10
6264	38.9	−15 8	7.5	7.49	2754,2768	03,*03*
4500	39.0	+32 19	7.5	7.34	3468,3473	08,*08*
6265	39.0	−15 12	7.0	7.05	2754,3096	*03*,03
4032	39.1	+45 30	6.8	*7.42*		▲ . .
5065	39.1	+ 6 13	7.5	7.70	2751,2752	*15*,16
731	39.2	+80 52	6.7	*6.90*		▲ . .
1702	39.2	+65 9	7.3	*7.80*		▲ . .
2797	39.2	+55 53	7.0	6.86	3169,3469,3826	14,*07*,*08*
4288	39.3	+44 0	7.5	7.34	3168,3475	*04*,05
3805	39.4	+46 53	6.8	6.97	3475,3490,3842	03,*05*,03
4855	39.5	+38 57	6.3	6.15	3468,4179,4196	*10*,04,05
4983	39.5	+13 46	7.5	7.58	2751,2752	20,*20*
1704	39.6	+64 48	6.5	6.72	3840,3842	12,*12*
4594	39.6	+41 18	5.2	5.24	3168,4179,4198	06,*02*,*03*
2336	39.7	+62 9	6.8	6.89	3121,3129,3840	07,*22*,15
870	39.8	+77 5	7.5	7.18	3121,3129	04,*04*
4343	39.8	− 1 14	7.5	7.83	3094,3096	*27*,27
3823	40.0	+48 53	7.1	7.25	3475,3490	02,*02*
989	40.1	+73 48	7.5	7.90	3121,3122	*08*,09
3809	40.1	+50 55	7.5	7.30	3169,3469	00,00
4600	40.1	+23 51	7.4	7.30	3166,3467	07,*07*
5982	40.1	−10 10	7.3	7.24	3096,3116	*09*,09
6149	40.1	−16 6	6.9	7.18	3468,3490	*13*,14
16087	40.1	−25 46	6.5	*6.85*		. ▲ .
16044	40.2	−27 30	7.7	7.90	3152,3162,3166	*14*,07,07
3280	40.3	+53 14	7.5	7.44	3169,3469	*14*,15
4858	40.3	+38 41	7.0	6.59	3468,3473,3843	19,*15*,*05*
2430	40.4	+60 59	7.5	7.77	3475,3490	07,*07*
3281	40.6	+52 46	7.5	8.22	3469,3472,3475	05,03,*09*
5046	40.6	+18 51	6.2	*6.48*		. 07,*08*
3460	40.7	+51 59	7.0	6.66	2774,3490,4179	*06*,*04*,10
4753	40.9	+29 55	7.2	6.52	3829,3843	17,*17*
5912	40.9	−11 41	7.2	6.68	2754,2768,3852	*14*,03,11
4298	41.0	+44 14	7.1	7.04	3168,3475	*04*,03
2433	41.1	+60 18	7.5	*8.11*		▲ . .
2595	41.2	+57 37	6.7	6.51	3169,3469,3826	09,07,*15*
3286	41.3	+52 51	7.8	7.54	3469,3826	02,*03*
4766	41.3	+35 9	7.5	*7.62*		▲ . .
16217	41.3	−33 42	7.0	6.80	3113,3119,4193	12,00,*11*
3288	41.5	+52 21	7.5	7.01	3169,3469,3826,4179	09,*12*,*18*,22
5060	41.5	+ 7 4	7.0	6.89	2751,2752,2753,3477,3487,3488	16,17,*23*,*14*,*01*,07
16219	41.5	−33 12	7.8	7.44	3113,3119,3481,3490	01,08,*13*,06
4875	41.6	+11 40	4.8	*4.36*		. 04,*05*
4300	41.7	+44 1	6.0	5.74	3475,3487,4198	11,03,*15*
4709	41.7	+23 2	3.9	4.13	3166,4179,4196	14,02,*17*
15735	41.7	−34 41	6.5	6.37	3113,3119,3490	*10*,09,00
4866	41.8	+14 28	7.5	7.83	2751,2752	05,*05*
15509	41.8	−35 21	7.1	7.21	2779,3113,3113	*13*,11,01
6152	41.9	−16 40	7.2	7.36	3096,3116	*18*,18
991	42.0	+73 55	7.3	8.06	3121,3122	*14*,13
3937	42.0	+49 41	7.5	7.98	3475,3487	00,00
4047	42.0	+45 41	6.5	6.74	3840,3842	07,*06*
5505	42.0	− 8 15	7.5	7.52	2769,3094	*13*,14
6192	42.0	−18 5	6.9	6.85	3096,3116,3852	10,*04*,*05*
6486	42.1	−20 8	5.4	*5.40*		05, . *06*
15217	42.1	−38 45	6.8	6.50	2779,3113,3481,3490	*02*,13,*03*,*08*
871	42.2	+77 58	7.2	7.26	3122,3129	13,*12*
5826	42.3	− 2 19	7.0	7.58	2769,3094	*09*,08
2856	42.4	+54 21	7.1	6.78	3169,3469,3826	02,05,*08*
4864	42.4	+38 53	7.3	7.44	3468,3473	*03*,04
4989	42.4	+13 38	7.0	7.08	2751,2752	00,00
6346	42.4	−14 35	6.2	5.62	3852,4180,4193	*15*,18,*02*
1713	42.5	+64 46	7.3	*7.55*		▲ . .
16324	42.5	−26 26	6.5	6.48	2778,3119,3841	05,*04*,*02*
5757	42.7	− 4 45	7.0	6.60	3852,3857	*06*,06
5759	42.7	− 4 45	8.9	*8.67*		▲ . .
17943	43.0	−28 5	6.8	6.94	2778,3119,3841	12,*14*,02
994	43.1	+74 2	7.3	7.66	3121,3122	*04*,03
4051	43.1	+45 41	7.5	*7.97*		▲ . .
4774	43.1	+ 3 27	7.5	8.23	2751,2752	*20*,20
15519	43.1	−35 18	7.7	7.45	2779,3139,3490	*07*,00,07
3295	43.2	+52 51	7.0	6.71	3169,3469,3826	*01*,06,*05*
5923	43.2	−11 5	6.3	6.12	3096,4180,4193	*10*,15,*04*
750	43.3	+79 54	7.0	*7.11*		▲ . .
2612	43.5	+57 57	6.3	6.29	3169,3469,3840	01,*12*,12
3842	43.6	+48 20	7.5	8.07	3475,3487	*04*,04
4934	43.7	+36 52	6.0	*5.97*		. . ▲
18982	43.7	−31 44	7.4	7.90	2779,3119,3490	*16*,28,*11*
3844	43.8	+49 3	6.8	7.16	3475,3487	*03*,04
4776	43.9	+ 3 46	7.5	7.32	2751,4180	01,*01*
17621	43.9	−23 37	7.0	7.00	2778,3113,3841	*06*,01,05
4519	44.0	+32 56	7.5	7.92	3468,3473	*03*,02
4932	44.1	+40 10	7.3	*7.92*		▲ . .
1717	44.2	+64 32	7.0	6.83	3122,3129,3840	*09*,*06*,16
6354	44.3	−14 7	4.0	*4.36*		02, . *01*

22$^{\text{h}}$

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4820	44.4	+25 58	7.5	8.10	3467,3473	03,*04*
16244	44.4	−33 20	6.6	6.32	2774,2779,3481	18,*08*,*10*
5111	44.5	+ 9 58	6.8	*6.46*		06, . *05*
6310	44.5	−20 49	7.3	7.36	2778,*3116*	00,*01*
3993	44.6	−53 53	6.0	*6.13*		. . ▲
3848	44.7	+49 2	7.5	7.66	3475,3487	08,*08*
2115	45.0	+62 24	6.0	*6.17*		. . ▲
2441	45.0	+60 37	7.5	*8.11*		▲ . .
3836	45.0	+50 27	7.0	6.70	3826,3840	*15*,14
4816	45.0	+30 46	7.5	7.98	3468,3473	05,*05*
4619	45.1	+42 6	7.0	7.13	3168,4179	07,*07*
4615	45.2	+24 4	3.9	3.68	3162,4196	09,*10*
14848	45.3	−39 41	5.8	5.52	2774,2779,3116,	26,06,*02*,
					3120,3167,3481,	02,12,02,
					3490,3526,3531,	26,*03*,*04*,
					3842,3843,4193,	13,*47*,12,
					4196,4200,4201,	*11*,10,*01*,
					4202,4256,4259,	07,*18*,*18*,
					4265	*04*
996	45.6	+74 8	8.4	8.48	3121,3129	*01*,01
1468	45.6	+68 2	6.5	6.39	3122,3129,3840	*05*,08,*02*
2820	45.6	+55 22	5.9	5.56	3173,3487,4198	*06*,10,*03*
4782	45.6	+ 3 32	7.5	7.24	2751,2752,3473,	09,09,*12*,
					3477,3829,3840,	*19*,02,05,
					3841,4183,4183,	*11*,18,*05*,
					4186,4186,4193,	08,*06*,*01*,
					4193	*03*
4351	45.6	− 1 6	7.5	7.32	2769,3094	17,*16*
5964	45.6	− 7 50	7.7	7.29	2769,3094	04,*04*
4775	45.7	+34 33	7.3	8.02	3130,3468	*12*,13
4623	45.8	+41 26	6.1	5.83	3475,4179,4198	07,*07*,01
5059	45.8	+18 36	6.7	6.50	2751,2752,3855	*02*,*12*,15
3954	45.9	+50 9	6.7	6.44	3826,3840	*12*,11
17362	45.9	−24 18	7.5	7.58	2778,3095,3129	*04*,21,*18*
19324	45.9	−30 4	6.4	5.96	2783,2784,3490	04,*04*,00
4818	46.0	+17 28	7.3	7.38	2751,2752	20,*20*
1813	46.1	+66 0	7.0	6.97	3122,3129,3840,	07,00,04,
					4179,4183,4186	*08*,*04*,02
1814	46.1	+65 40	3.8	3.68	3472,3473,3477,	*08*,*11*,05,
					3487,3488,3492,	*19*,16,24,
					3495,3497,3514,	05,18,32,
					3525,3526,3534,	*03*,21,*30*,
					3544,3841,3842,	18,05,*28*,
					3860,3870,3878,	*01*,00,*15*,
					3886,3897,3899,	*06*,03,29,
					3901,3905,3911,	*13*,14,10,
					3913,3914,4177,	01,26,*11*,
					4198,4200,4202,	*22*,*06*,07,
					4207,4227,4232,	00,*11*,*15*,
					4243,4252,4253,	*19*,*12*,19,
					4256,4259,4261,	05,15,*12*,
					4265,4544,4545,	08,16,*09*,
					4546,4553,4554,	*45*,12,*14*,
					4561	07
15602	46.1	−36 25	7.0	7.26	2783,3481,3841,	*19*,*04*,43,
					3857,3864,4193,	*04*,*39*,10,
					4196,4200	*12*,22
14854	46.4	−39 29	7.5	7.32	2779,2783,3481	00,*01*,00
3485	46.5	+51 31	7.2	7.10	3169,3173	00,00
4599	46.5	+33 50	7.3	7.16	3130,3468	14,*14*
4828	46.6	+25 51	6.7	6.66	3843,3859	*10*,09
15546	46.6	−35 10	7.5	7.74	3481,3490,3519	*09*,*05*,13
4916	46.7	+ 4 15	7.0	*7.17*		. ▲ .
14858	46.7	−39 50	7.5	7.68	3481,3490,3519	*03*,*09*,13
3486	46.8	+51 44	7.3	7.25	3169,3173	15,*15*
4879	46.8	+14 34	6.8	6.84	3855,3857	00,00
3944	46.9	+48 12	7.0	6.88	3168,3475,3842	02,03,*04*
4529	46.9	+32 18	6.5	7.11	3130,3468	09,*09*
16270	47.0	−33 24	4.6	4.54	3116,3167,3488,	02,*27*,*11*,
					3526,3531,3842,	*02*,*05*,07,
					4193,4196,4200,	27,*04*,09,
					4201,4202,4256,	12,09,02,
					4259,4265	*04*,*11*
1817	47.2	+66 12	7.3	7.30	3122,3129	*06*,07
6351	47.2	−19 34	7.5	6.92	3852,3857	13,*14*
18485	47.2	−29 43	7.5	7.52	2778,3095	*13*,13
4926	47.3	+40 47	7.0	6.84	3130,3468,3843	*04*,*06*,10
2450	47.4	+61 10	6.0	*5.82*		04, . *04*
5122	47.4	+ 9 18	5.0	*5.31*		. *02*,02
5123	47.4	+ 9 52	7.5	6.60	3855,3857	*02*,01
5968	47.4	− 8 7	4.2	3.81	3094,4180,4193	04,*04*,01
3311	47.5	+52 30	7.0	7.14	3169,3469	*04*,04
4074	47.5	+46 12	7.0	7.32	3168,3475	08,*09*
4521	47.5	+42 47	5.0	5.20	3843,4198,4232,	*07*,14,07,
					4256	*14*
4573	47.5	+ 3 1	6.5	*6.86*		. ▲ .
6008	47.5	−10 35	6.8	6.68	3852,3857	*05*,05
2492	47.6	+58 28	7.0	7.16	3169,3469	04,*05*
5125	47.6	+ 9 41	7.5	7.26	2751,2752,3477,	*21*,30,*10*,
					3487,3488	01,*01*
2121	47.7	+62 26	6.5	6.84	3122,3129,3840	00,03,*02*
14944	47.8	−39 57	7.2	7.24	3481,3841,3857,	*10*,10,*05*,
					3864,4193,4196,	*01*,01,03,
					4200	00
703	47.9	+82 37	5.0	*5.04*		02, . *02*
4781	47.9	+34 48	7.2	*7.07*		▲ . .
18490	48.0	−28 57	7.3	7.66	2778,3095	*14*,13
4831	48.2	+16 19	5.5	*5.74*		. . ▲
6371	48.2	−12 9	5.9	*5.84*		. . ▲
3959	48.3	+50 11	7.4	*7.37*		▲ . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
6087	48.3	− 6 31	7.0	6.80	2769,3094,3852	*04*,10,*07*
2830	48.4	+56 10	7.1	7.31	3169,3469	*01*,01
4078	48.4	+46 1	6.5	6.79	3842,3843	01,*01*
4714	48.4	+38 5	6.8	7.12	3468,3473	*10*,10
756	48.5	+79 51	7.2	*7 26*		▲ . .
3962	48.5	+49 53	6.7	6.40	3842,3843	*05*,05
4957	48.6	+39 37	6.7	6.16	3843,3859	*09*,09
5880	48.6	− 5 11	7.3	7.58	2769,3094	18,*18*
6357	48.7	−19 42	6.4	6.58	3852,3857	04,*04*
4797	48.8	+30 14	7.4	*7.46*		▲ . .
4662	48.8	+ 1 17	8.0	7.08	3855,3857	00,01
6374	48.8	−12 43	7.0	*7.18*		. ▲ .
16166	48.9	−25 31	7.2	7.24	2778,3095	03,*02*
4434	49.0	+28 6	7.5	7.58	3162,3467	12,*12*
2595	49.1	+59 34	6.3	6.22	3826,3840	*04*,05
1475	49.2	+67 26	7.3	6.94	3122,3129,3840	*20*,23,*04*
4331	49.2	+44 13	6.0	*5.57*		. . ▲
4355	49.2	− 1 35	7.5	8.44	3096,3116	*14*,14
5028	49.3	+19 20	6.8	*7.10*		▲ . .
6173	49.3	−16 21	3	*3.54*		. . ▲
4607	49.4	+33 40	7.0	7.40	3130,3467	00,00
4827	49.4	+17 16	7.1	6.69	2752,2761,3477, 3487,3488,3855, 3857,3860,4180, 4186,4200,4544, 4545,4546,4546	19,*42*,04, *04*,13,03, *31*,05,15, 34,01,01, *22*,01,03
5886	49.4	− 7 44	7.0	6.35	3094,4180,4193	*10*,05,06
6619	49.4	−16 48	5.6	*5.68*		. *03*,04
4964	49.5	+39 51	5.8	5.79	3843,3859,4196	06,*04*,*02*
17665	49.6	−22 54	6.8	6.72	2778,3137,3841, 3857	16,*10*,*04*, *03*
14981	49.6	−36 55	6.6	6.55	2774,2779,3481	09,*07*,*01*
4833	49.7	+16 24	7.0	6.47	2752,2761,3855	11,*10*,00
4633	49.9	+23 52	7.5	7.92	3162,3166	05,*05*
4939	49.9	+ 0 32	6.8	*6.05*		08,*07*,00
513	50.0	+84 14	7.3	*7.09*		▲ . .
4835	50.0	+30 56	6.6	*7.41*		▲ . .
5885	50.0	− 5 31	6.0	5.84	3094,4180,4193	*04*,04,01
4908	50.1	+35 27	7.3	*7.62*		▲ . .
4442	50.1	+27 28	7.4	7.30	3162,3467	00,*01*
5067	50.1	+19 1	7.3	7.90	2752,3477,3487	18,*15*,*02*
6507	50.1	−20 40	6.3	6.54	3841,3857	12,*12*
2837	50.2	+55 48	6.8	*7.01*		▲ . .
4961	50.2	+ 8 17	4.7	*4.95*		. 07,*07*
4956	50.4	+36 33	5.9	6.02	4179,4196	10,*10*
17312	50.4	−32 10	6.5	6.28	2774,2779,3488	00,*04*,03
16308	50.4	−33 4	4.5	4.40	3100,3116,3167, 3526,3531,3841, 3842,4193,4196, 4200,4202,4256, 4265	08,*01*,10, 01,03,12, *10*,16,*01*, *02*,*16*,*09*, *09*
15277	50.5	−38 37	7.4	7.66	3481,3490,3519	*11*,01,11
17321	50.8	−32 6	6.8	6.65	2774,2779,3488	*07*,09,*02*
4917	51.1	+35 50	6.0	5.67	3130,3468,4196	*07*,05,03
998	51.3	+74 4	7.5	7.58	3121,3129	04,*04*
4341	51.3	+43 46	6.7	6.84	3168,3499,3842, 3842	16,*23*,07, *02*
4538	51.3	+43 2	7.5	7.68	3168,3499	02,*01*
4742	51.6	+22 24	6.8	7.37	3130,3162	00,00
4904	51.8	+11 19	6.9	6.43	2752,2761,2775, 3477,3487,3488, 3855,3857,3860, 4180,4186,4200	33,*28*,*17*, 01,14,22, *08*,02,09, *06*,*07*,*11*
2644	51.9	+57 40	7.0	6.96	3169,3469,3826, 3840	*26*,*03*,01, 29
4949	51.9	+41 4	6.2	5.67	3467,3473,4196	09,06,*16*
1288	52.0	+69 45	7.0	*7.64*		▲ . .
2850	52.0	+55 54	7.0	7.06	3169,3469	*06*,06
4615	52.0	+33 49	7.5	7.88	3162,3467	02,*02*
5024	52.0	+13 53	7.5	7.95	2752,2761,3477, 3487,3488,3855, 3857,3860,4180, 4186,4200	23,*38*,*04*, 13,18,04, *06*,*04*,10, *10*,*07*
5793	52.0	− 3 47	7.0	6.58	2769,3094,3852	11,08,*18*
2371	52.1	+61 54	7.5	7.06	3122,3129	*02*,01
3887	52.1	+49 12	4.6	4.94	3475,4198,4232	02,*04*,01
5025	52.1	+13 29	7.5	7.78	2752,2761	10,*11*
5894	52.1	− 5 21	6.5	*6.30*		00, . 01
19370	52.1	−30 9	1.4	1.28	3491,3526,3841, 3897,4196,4256, 4265	*16*,*27*,21, *12*,32,11, *11*
6334	52.2	−20 49	7.5	7.68	2778,3108,3112, 3857,3857,3859, 3859,3860,3860, 3864,3864,3866, 3866,3870,3870	*17*,*01*,11, *13*,*10*,23, *14*,*07*,*13*, 56,09,*17*, 07,*09*,*08*
5536	52.3	− 3 41	8.3	7.78	2769,3094	11,*12*
15288	52.3	−38 28	7.2	7.26	3112,3116,3481, 3490,3519	08,15,01, *14*,*08*
1482	52.4	+67 42	7.5	7.96	3122,3155	18,*19*
3982	52.4	+47 27	7.5	8.41	3168,3475	*01*,01
16395	52.4	−26 38	7.3	7.27	2778,3112,3116	*04*,*07*,11
5036	52.5	+20 14	5.0	*5.60*		00, . 01
4799	52.5	+ 3 15	6.5	*6.43*		. ▲ .
2136	52.6	+62 19	7.5	7.76	3122,3129	*02*,01
3985	52.7	+48 9	5.3	5.23	3472,4198,4232	00,*03*,03
2607	52.8	+59 25	7.3	7.07	3169,3469	13,*13*
2855	52.9	+55 57	7.5	7.34	3169,3469	*04*,04
4548	52.9	+42 28	6.8	6.90	3168,3472,3842, 4232	16,*13*,*07*, 02

22^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1076	53.0	+72 18	7.5	7.23	3121,3155	09,*09*
2373	53.0	+62 12	7.5	7.70	3122,3129	04,*03*
4970	53.0	+36 51	7.5	8.10	3162,3467	00,00
15650	53.0	−36 3	6.4	6.30	2779,2784,3490	*02*,*12*,14
4904	53.1	+38 48	6.5	*6.07*		. . A
5539	53.1	− 2 56	6.3	6.21	2769,3094,3852	08,*05*,*04*
5858	53.3	− 1 57	6.8	6.40	2769,3094,3852	19,06,*24*
517	53.5	+84 50	6.5	*6.18*		00, . 01
4973	53.5	+ 8 50	6.8	6.47	2752,2761,3855	09,*12*,03
4807	53.7	+34 45	7.0	*7.02*		A . .
5092	53.7	+ 6 48	7.3	6.28	2752,2761,3855	*02*,*03*,04
4364	53.7	− 0 52	7.5	7.33	3094,3096	*07*,07
4355	54.2	+43 18	7.0	7.02	3168,3472	*02*,03
4859	54.2	+11 12	6.1	5.68	2775,4544,4545	*02*,00,08
19383	54.2	−30 0	5.9	5.44	3897,4196,4256, 4265,4544,4545	*10*,01,*11*, 03,06,12
4621	54.3	+33 32	6.8	7.51	3162,3467	19,*19*
4805	54.3	+ 3 50	6.9	*7.30*		. A .
6318	54.3	−13 36	6.5	6.27	3096,3116,3852	*07*,20,*13*
19072	54.3	−31 40	7.5	7.94	2779,2783,3488	*20*,15,04
4950	54.4	+ 0 26	6.0	*5.58*		. 00,*01*
879	54.7	+77 58	7.3	7.68	3121,3129	04,*04*
1079	54.7	+72 36	6.6	6.64	3129,3472,3473, 3475	10,*11*,*04*, 06
2146	54.7	+63 10	6.8	7.36	3122,3129	08,*09*
16220	54.7	−25 42	6.1	*5.84*		. 10,*09*
3514	54.8	+52 6	6.0	6.45	3469,4198,4232	12,*10*,*01*
3515	54.8	+51 47	7.0	*6.90*		. . A
16415	54.9	−26 41	7.3	7.39	2778,2784	04,*04*
2615	55.0	+59 16	6.5	6.46	3826,3840	*12*,13
4935	55.0	+ 4 36	7.0	7.02	2761,2775,3855	*20*,08,13
16419	55.0	−26 10	6.6	6.44	2778,2784,3841	03,04,*08*
6100	55.1	− 9 25	7.0	6.82	3852,3857	*07*,08
640	55.2	+83 49	5.0	*4.96*		*10*, . 10
4363	55.2	+43 42	8.8	9.19	3477,3481,3840, 3841,3842,4186, 4186,4193,4193, 4198,4198,4544, 4544,4545,4545, 4546,4546	*12*,*32*,23, 05,*09*,11, 08,*06*,*15*, 01,*21*,23, 24,06,*10*, 08,*01*
4443	55.5	− 0 21	6.8	*6.34*		14, . *14*
4594	55.7	+ 2 29	6.8	*5.96*		. . A
2663	55.9	+57 14	7.0	7.30	3169,3469	00,01
2923	55.9	+56 24	6.0	5.44	3169,4198,4232	06,14,*20*
4859	55.9	+30 33	6.0	6.54	3162,3467,4196	*04*,07,*04*
5257	55.9	+20 50	7.5	7.52	3130,3166	*15*,15
18537	55.9	−29 23	5.9	*5.76*		. 04,*04*
4302	56.0	+44 50	6.5	6.36	3842,3843,3859	08, R,*07*
17706	56.0	−23 20	6.7	*6.42*		. 05,*04*
4865	56.1	+22 7	7.5	8.02	3130,3166	*05*,05

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4866	56.1	+21 50	7.5	7.52	3130,3166	05,*05*
17709	56.1	−22 57	7.4	7.34	2778,2784,3108	*16*,*09*,24
5910	56.2	− 7 36	6.8	*6.40*		. A .
6325	56.2	−14 49	7.5	7.34	3096,3116	*04*,08
4744	56.3	+38 10	6.7	6.39	3162,3467,3843	21,*22*,02
4916	56.4	+14 20	7.3	7.15	2761,2775	02,*02*
5910	56.4	− 5 15	6.0	*6.14*		06,01,*08*
4814	56.6	+ 3 54	7.0	7.13		. A .
4371	56.7	+43 39	7.5	7.25	3168,3842,3843, 3859	11,*01*,*06*, *05*
4760	56.7	+22 31	6.9	*7.82*		. A .
4597	56.7	+ 3 0	7.5	6.51	2761,2775,3855	01,19,*20*
4826	56.8	+32 4	7.4	7.72	3467,3468	*08*,09
4988	56.9	+36 26	7.5	7.64	3467,3468	10,*10*
5048	57.0	+19 17	7.1	7.20	2761,2775	*23*,23
15047	57.0	−36 57	6.6	6.50	2783,2784,3490, 3490	00,00,*03*, 02
4632	57.1	+34 4	6.8	6.71	3467,3468,3843	05,*01*,*04*
2927	57.3	+56 34	6.1	*6.53*		. . A
4664	57.3	+41 47	3.7	*3.49*		. . A
6388	57.3	−19 5	7.0	6.58	3096,3120,3852	04,17,*20*
759	57.4	+79 48	7.5	*7.26*		A . .
3911	57.4	+50 18	7.5	*7.42*		A . .
4015	57.4	+47 24	7.0	7.50	3168,3472	00,01
5913	57.4	− 7 7	6.8	6.40	2762,3852	*04*,03
6354	57.4	−21 24	6.4	6.19	2778,2784,3841	13,*11*,*02*
2625	57.5	+59 39	7.3	7.48	3169,3469	02,*02*
4017	57.5	+47 27	7.5	7.79	3168,3472	01,*01*
4762	57.5	+22 46	6.0	6.78	3166,4196	09,*09*
2157	57.6	+62 44	7.5	7.31	3100,3121	05,*05*
4375	57.6	+44 2	6.2	6.51	3168,3472,3843	09,*06*,*02*
4751	57.6	+15 42	6.5	6.68	3855,3857	08,*08*
4829	57.8	+31 14	6.3	6.46	3467,3468,3843	*05*,17,*13*
3059	57.9	+53 16	7.4	7.69	3168,3169,3469	01,01,*03*
14921	57.9	−38 58	7.1	7.18	2774,2779,3490	20,*16*,*05*
4665	58.0	+42 13	6.2	*5.07*		. . A
4763	58.0	+22 37	6.6	7.21	4179,4196	26,*26*
15630	58.0	−35 17	5.3	5.09	3095,3096,3112, 3166,3490,3491, 3531,3842,3855, 3897,4202	*05*,*14*,16, *04*,02,01, *07*,*03*,03, 03,08
867	58.2	+75 34	7.5	*7.52*		A . .
4378	58.2	+43 31	6.1	6.31	3168,3472,3842	*01*,04,*02*
5264	58.2	+20 23	6.6	6.62	3843,3859	02,*03*
2629	58.3	+59 18	7.0	6.87	3168,3169,3840	13,*07*,*05*
16160	58.3	−27 21	6.9	6.91	2778,2784,3841	*01*,11,*11*
19089	58.3	−30 59	7.0	6.85	2779,2783,3488	16,*09*,*08*
892	58.4	+76 20	7.3	*7.72*		A . .
2900	58.4	+54 42	6.5	6.33	3826,3840	*24*,24
17375	58.4	−32 39	7.5	8.05	3488,3490,3519	*02*,*06*,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
R	58.4	−42 1	. .	5.72	3166,3481,3501, 3531,3842,3852, 3855,3897	*20*,25,07, *05*,*30*,14, 13,*04*
1917	58.5	+63 40	7.5	8.16	3122,3129	*02*,01
4866	58.5	+31 7	7.1	7.49	3467,3468	*08*,08
2533	58.6	+59 5	7.5	7.15	3168,3169	*05*,05
4752	58.6	+37 45	7.5	7.18	3467,3468	02,*01*
2160	58.7	+62 47	7.0	7.00	3100,3121,3840	*04*,*14*,17
4767	58.7	+22 50	7.3	*7.62*		. A .
5917	58.7	−5 20	7.0	6.85	2762,2769,4193	01,11,*11*
17723	58.7	−23 15	7.4	7.72	2778,2784	06,*07*
4818	58.8	+3 17	4.7	*4.58*		. 25,*24*
R	58.8	−22 46	R	7.52	2778,2784	06,*07*
4480	58.9	+27 32	var.	2.52	4179,4196	15,*14*
3360	59.0	+52 45	7.5	7.65	3168,3169	*05*,05
5267	59.0	+21 3	6.8	*7.30*		A . .
5123	59.0	+6 4	7.3	6.34	2761,2775,3855	*09*,12,*04*
2631	59.2	+59 54	6.7	6.48	3826,3840	*21*,22
2676	59.2	+58 1	6.5	6.50	3168,3169,3860	30,*10*,*21*
15693	59.4	−36 26	7.1	7.44	2783,3490,3841	*07*,12,*04*
16172	59.5	−27 41	7.0	6.82	2778,2784,3841	*02*,*08*,10
761	59.6	+80 14	7.2	6.70	3840,3842	*07*,06
1575	59.7	+66 40	5.5	5.64	3840	A
4028	59.7	+49 30	4.8	4.79	3469,4198,4201	*20*,14,06
4869	59.8	+30 45	6.5	6.76	3162,3167,3467	14,*16*,02
4926	59.8	+14 40	2.0	*2.55*		. *06*,06
16269	59.8	−24 53	7.0	7.10	2778,2784	01,00
6018	59.9	−8 14	5.8	5.39	3137,4180,4193	*15*,12,04
6661	59.9	−17 37	5.8	6.38	3096,3120,4193	*03*,*01*,04
15076	59.9	−37 6	6.7	R	4193,4196	R, R
6663	0.0	−17 26	6.9	7.01	3096,3120	*06*,06
17733	0.0	−23 2	7.3	7.72	2778,2784	*04*,03
6019	0.1	−8 18	7.5	*7.55*		. A .
4575	0.2	+32 50	7.2	7.28	3167,3467	02,*01*
4673	0.2	+24 0	6.7	7.12	3130,3166	*05*,05
4760	0.2	+16 2	7.0	6.45	2775,2777,3855	08,*18*,11
4963	0.2	+0 46	7.2	6.38	2775,2777,3855	12,*16*,04
2165	0.5	+62 42	6.5	6.78	3100,3121,3840	*12*,*02*,14
5156	0.5	+9 54	8.0	7.45	3544	A
2889	0.6	+56 10	6.6	6.76	3826,3840	02,*03*
4675	0.6	+24 7	6.9	7.01	3130,3166,3829	*14*,06,09
4518	0.7	+28 29	7.5	7.41	3130,3467	*01*,01
5057	0.7	+19 48	7.0	7.20	2775,2777	*07*,07
6021	0.7	−8 29	7.0	*6.85*		. A .
5997	0.7	−10 59	7.3	7.08	3096,3120	*16*,16
1925	0.8	+63 34	6.8	7.60	3121,3122	*04*,04
2688	0.9	+58 12	7.2	7.15	3168,3169,3826	05,05,*09*
4838	1.0	+34 44	7.3	8.06	3167,3467	04,*04*
1498	1.1	+67 53	7.5	7.50	3121,3122	*04*,04
R	1.2	−44 4	. .	4.35	3166,3176,3475, 3481,3501,3842, 3852,3855,3886, 3897	*23*,*10*,*18*, *10*,09,02, 19,17,*25*, 40
5105	1.3	+18 27	7.4	7.55	2775,2777	08,*08*
4866	1.3	+17 59	6.7	6.14	2775,2777,3855	*01*,13,*11*
17497	1.3	−24 17	4.4	*4.73*		. 19,*19*
14936	1.3	−39 26	5.7	5.50	3095,3096,3112, 3113,3139,3176, 3475,3490,3491, 3495,3852,3855, 3886,3897	26,05,11, 10,*05*,*15*, *11*,07,*01*, *28*,*12*,*17*, 22,10
5003	1.5	+36 17	6.5	6.78	3167,3467,3843	07,*03*,*03*
5058	1.5	+19 22	6.2	*6.42*		08, . *07*
19434	1.6	−30 35	6.7	6.55	2774,2779,3841	*03*,06,*02*
4677	1.9	+42 5	7.5	7.78	3168,3469	12,*13*
4992	1.9	+40 57	7.5	7.88	3467,3468	*03*,02
4680	2.0	+42 9	7.3	7.74	3168,3469	06,*06*
4997	2.0	+8 52	5.2	*4.73*		. . A
6025	2.0	−8 14	7.8	*7.35*		. A .
15902	2.0	−34 45	7.5	7.44	3488,3519,3525	*02*,*04*,06
2170	2.1	+62 41	7.3	7.46	3100,3121	*10*,10
4769	2.2	+37 42	7.5	8.17	3167,3467	13,*13*
4716	2.2	+24 56	5.3	5.06	3467,4201	01,*01*
4844	2.3	+34 31	7.3	7.36	3167,3467	04,*03*
4847	2.3	+35 6	6.5	6.56	3843,3859	*03*,03
2479	2.4	+60 55	6.8	6.82	3840,3842	05,*06*
2545	2.4	+58 53	5.3	4.79	3173,4201,4203	*09*,19,*11*
5060	2.5	+20 3	6.8	6.58	3855,3857	11,*10*
4045	2.6	+49 40	7.3	6.85	3168,3469,3843	05,*07*,02
4587	2.6	+32 18	6.3	5.97	3167,3467,3843	*17*,*04*,21
5278	2.6	+20 37	6.2	5.92	3181,3829,4201	*15*,02,14
4147	2.7	+45 33	6.5	6.50	3843,3859	08,*07*
4393	2.7	−0 50	7.2	7.39	2762,2769	00,00
3371	2.8	+52 17	5.5	*6.33*		. . A
4862	2.9	+29 31	7.0	7.25	3130,3181	05,*05*
18588	2.9	−29 22	6.0	*5.84*		. *02*,01
2482	3.0	+60 18	7.5	*7.61*		A . .
2546	3.0	+59 13	6.5	*6.28*		. . A
4149	3.1	+45 51	5.5	5.59	3472,4201,4203	16,*12*,*03*
5008	3.1	+39 15	7.5	7.47	3167,3467	03,*03*
4863	3.1	+29 54	7.3	*7.46*		A . .
1002	3.2	+75 3	7.3	6.78	3840,3842,3859	17,*01*,*16*
2547	3.2	+58 29	7.3	7.35	3169,3173	05,*05*
3944	3.2	+48 45	6.0	*5.73*		. . A
4881	3.2	+30 55	7.0	7.28	3167,3467	02,*01*
4394	3.3	−1 2	7.5	7.34	2769,3096	05,*04*
16495	3.5	−26 22	7.2	6.78	2778,2784,3841	05,*03*,*02*
4399	3.6	+44 1	6.5	6.36	3168,3469,3843	*06*,09,*04*
4686	3.6	+1 35	6.0	*5.58*		. *09*,09
2171	3.7	+63 6	6.2	6.19	3122,3129,3840	05,*22*,16

23^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4533	3.7	+28 39	7.2	7.50	3130,3181	00,00
1758	3.8	+65 5	6.9	*6.83*		A . .
4887	3.8	+10 25	7.0	*7.51*		*09*,11,*01*
1931	3.9	+63 41	6.8	6.41	3121,3122,3840	*15*,13,03
4047	3.9	+47 20	7.5	8.16	3469,3843,3859,3860	07,*24*,07,12
2952	4.0	+56 39	7.5	7.75	3169,3173	05,*05*
4050	4.1	+48 15	7.3	8.05	3168,3469	05,*05*
4939	4.1	+38 39	7.5	7.51	3167,3467	*01*,01
6368	4.1	−21 48	4.4	*3.92*		. 11,*11*
4054	4.3	+48 10	7.5	8.28	3168,3469	22,*22*
4940	4.3	+38 24	6.9	7.20	3167,3467	00,*01*
4570	4.3	+26 23	7.3	7.65	3130,3181	15,*15*
18099	4.3	−28 38	6.3	*6.05*		. 05,*05*
4875	4.4	+18 12	7.1	6.61	2775,2777,3477,3487,3488,3855,3857,3860,4200,4201,4202	42,*14*,*08*,04,17,*20*,*02*,*26*,18,08,*13*
R	4.4	−48 24	. .	5.62	3473,3475,3481,3501,3852,3886,3897	*06*,*13*,04,00,15,04,*07*
4981	4.5	+ 8 8	5.3	*5.39*		. *04*,04
6360	4.5	−15 3	6.5	6.38	3096,3119,4202	00,*16*,16
17771	4.5	−28 0	4.9	*4.96*		. 16,*16*
15163	4.6	−41 8	6.2	6.07	3139,3473,3475,3481,3501,3886,3897	03,*08*,*08*,*14*,16,15,*06*
1006	4.7	+74 51	4.6	4.60	3468,3472,3473,3475,3477,3488,3492,3501,3503,3519,3526,3531,3534,3542,3829,3841,3860,3864,3870,3878,3886,3897,3900,3901,3903,3911,3914,4198,4207,4211,4225,4227,4228,4232,4252,4256,4259,4261,4265,4544,4545,4553,4554,4561	23,*03*,07,12,16,*11*,*01*,*05*,01,*04*,18,*06*,49,02,*12*,01,31,20,*25*,03,09,03,*07*,03,*11*,01,*23*,*24*,15,*30*,R,12,*01*,*16*,*05*,*22*,*15*,*31*,*08*,*03*,00,02,23,*09*
4536	4.7	+29 8	7.0	6.75	3130,3181,3829	*15*,05,11
R	4.7	−45 47	. .	4.20	3472,3472,3475,3475,3481,3481,3487,3487,3488,3488,3501,3501,3519,3519,3544,3544,3855,3855,3886,3886	*13*,14,*08*,24,07,*21*,T,35,*18*,*21*,05,*12*,42,*22*,*67*,*58*,*06*,19,39,63
2173	4.8	+62 17	7.0	7.60	3121,3122	16,*16*
2174	4.8	+62 23	6.6	7.15	3121,3122	*09*,09
3950	4.8	+49 7	7.4	6.53	3469,3472,3843	*04*,22,*19*
5170	5.0	+ 9 17	5.5	*5.36*		. *07*,06
5010	5.1	+37 9	7.3	7.70	3167,3467	00,00
5124	5.1	+ 6 50	7.5	7.20	2775,2777	*14*,14
6413	5.1	−14 10	7.5	7.21	3096,3120	*01*,01
1764	5.2	+64 41	6.8	6.58	3840,3842	04,*05*
4945	5.2	+38 55	6.8	6.51	3167,3467,3843	*01*,14,*14*
4059	5.3	+47 25	7.5	6.64	3168,3469,3472,3843	26,00,03,*31*
5012	5.3	+36 19	7.0	7.74	3167,3467	06,*07*
4596	5.3	+33 14	6.8	6.91	3139,3144,3145,3167,3468,3495,3499,3501,3829,3840,3841,3843,3859,3860,4200,4200,4201,4201,4201,4202,4202,4202,4203	*11*,*31*,*31*,29,*03*,*37*,*22*,*17*,05,24,28,*09*,05,12,11,15,*02*,*03*,06,14,*02*,22,*03*
2552	5.4	+58 47	6.1	5.72	3173,4201,4203	08,*07*,*01*
19460	5.4	−30 4	6.6	6.41	2774,2779,3488	04,*07*,02
769	5.5	+80 2	7.5	*7.19*		A . .
4059	5.5	+49 27	7.2	7.41	3469,3472	16,*16*
4859	5.5	+31 57	7.2	6.89	3167,3468,3843	01,*01*,00
6157	5.5	− 6 30	7.0	7.01	2762,2769	*05*,05
15927	5.5	−34 10	7.5	7.81	3488,3519,3525	*09*,00,10
3952	5.7	+48 28	7.0	7.22	3469,3472	00,01
4882	5.7	+17 3	5.8	*5.78*		. . A
2958	5.8	+56 55	7.0	7.10	3169,3173	*10*,10
4592	5.8	+43 0	6.0	*5.83*		. . A
4890	5.8	+26 0	7.2	7.15	3130,3181	*05*,05
1587	6.0	+66 42	6.7	6.68	3122,3129,4202,4203,4207	16,*01*,05,*05*,*17*
4896	6.2	+30 37	7.5	*7.56*		A . .
4975	6.2	+ 4 28	7.1	6.86	2777,3139,3144,3145,3472,3473,3477,3495,3501,3503,3840,3841,3842,4200,4200,4201,4201,4202,4202	16,*24*,*03*,*13*,20,04,02,*24*,*07*,*23*,06,*02*,04,10,08,14,16,*11*,01
1941	6.3	+64 0	6.8	7.12	3129,3162	*05*,05
4347	6.3	+44 59	7.3	*7.12*		A . .
4594	6.4	+43 8	7.5	7.26	3168,3469	14,*13*
4877	6.4	+29 31	7.5	6.94	3130,3181,3467,3829	06,*14*,07,02
3383	6.7	+52 31	7.2	7.06	3169,3173,3842	*06*,*06*,11
4785	6.7	+37 41	7.5	7.70	3468,3473	09,*08*
4991	6.7	+ 8 11	6.0	*5.16*		. 09,*08*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4065	6.8	+50 14	6.6	6.74	3842,3843	06,*06*
6444	6.8	−12 29	6.9	7.04	3096,3120,3137, 3143,3852	08,20,*03*, *16*,07
4580	6.9	+26 18	6.5	6.85	3181,3473,4201	05,*09*,03
3864	7.1	+46 34	7.0	7.14	3469,3472	*10*,11
17585	7.1	−24 22	7.9	7.88	2778,2786	*04*,03
4867	7.2	+32 9	7.5	7.38	3167,3468	12,*13*
3961	7.4	+48 41	7.5	7.48	3469,3472	06,*06*
5021	7.6	+36 26	6.9	6.84	3468,3473,3843, 3859,3860,4201, 4202,4203	12,*51*,02, 11,01,*04*, 19,06
17434	7.6	−32 52	7.5	7.51	2774,2784,2786, 3488	02,*01*,06, *07*
3558	7.8	+51 41	7.5	7.45	3169,3173	*25*,25
6082	7.8	−10 7	7.0	7.10	3852,3857	*09*,10
1949	7.9	+64 11	7.0	7.22	3129,3162	05,*05*
3964	8.0	+48 51	5.0	4.62	3469,3472,4201, 4203	*26*,28,*06*, 05
6425	8.0	−18 55	7.3	7.66	3119,3120	02,*01*
4714	8.3	+41 31	7.0	6.69	3168,3173,3843	01,01,*03*
4548	8.3	+28 54	6.5	6.34	3130,3181,3829	06,*04*,*01*
1778	8.4	+64 15	7.0	7.27	3129,3162	00,00
5033	8.4	+39 28	7.5	7.40	3468,3473	12,*11*
2966	8.5	+56 37	6.0	5.76	3140,4201,4203	24,*06*,*19*
5017	8.5	+40 57	7.3	7.79	3468,3473	04,*04*
4902	8.5	+10 31	6.2	*5.94*		*01*, . 00
6424	8.6	−18 56	6.8	7.30	3120,3137	12,*12*
4952	8.8	+14 50	7.4	*7.59*		▲ . .
6557	8.8	−20 14	7.0	7.52	2778,2786	*06*,07
4701	8.9	+28 36	7.3	8.12	3130,3166	*05*,05
4985	8.9	+ 4 27	7.0	*6.93*		. ▲ .
5125	9.0	+19 5	6.5	6.58	2775,2777,3857	05,*11*,06
5592	9.0	− 3 11	7.1	7.19	2762,2769	00,00
6170	9.1	− 6 35	5.0	*4.56*		. . ▲
5126	9.3	+19 14	7.3	7.75	2775,2777	18,*18*
15197	9.4	−41 39	6.1	5.80	3176,3472,3473, 3481,3487,3525, 3860,3870,3897	*02*,*24*,14, 08,*11*,*01*, 17,*02*,03
4878	9.5	+31 58	7.5	8.44	3167,3468	*14*,15
6032	9.5	−11 14	6.3	6.35	3120,3137,3852	09,06,*16*
4071	9.6	+50 5	6.5	6.25	3140,3169,3842	15,*15*,01
4555	9.6	+29 13	7.0	6.42	3130,3181,3829	*02*,08,*05*
5073	9.6	+19 58	6.8	*7.15*		▲ . .
4608	9.7	+43 10	7.4	7.50	3168,3173	*10*,10
4875	9.7	+34 28	7.5	7.73	3167,3468	*03*,03
4704	9.7	+28 34	6.5	6.50	3166,4201	*13*,13
6710	9.7	−16 46	7.5	7.68	3119,3120	*08*,09
16354	9.9	−25 24	7.3	7.14	2778,2790,3841, 3855,3857	17,*15*,09, *01*,*10*
4517	10.1	+27 32	7.0	6.95	3181,3467,3829	15,*26*,11
6453	10.1	−12 7	7.7	7.48	3120,3137	16,*17*
5028	10.3	+40 37	7.3	*7.72*		▲ . .
4179	10.4	+46 0	7.1	6.98	3173,3176,3843	12,*08*,*04*
4710	10.4	+23 20	7.5	*8.03*		. ▲ .
5150	10.4	+ 5 39	7.5	*8.01*		▲ . .
5852	10.4	− 4 3	5.3	5.46	3096,4202,4203	02,04,*05*
19491	10.4	−30 24	6.7	6.65	2774,2783,3488	10,05,*15*
4737	10.5	+25 8	7.0	6.71	3859,3860	09,*09*
4982	10.5	+ 0 46	7.7	6.77	3144,3145,3855	06,*04*,*01*
1779	10.7	+64 54	6.5	*7.10*		▲ . .
6156	10.7	− 9 38	5.0	*4.51*		12,*15*,03
6372	10.7	−13 43	7.2	7.25	3120,3137	07,*07*
15793	10.7	−36 14	7.5	7.89	3488,3490,3519	26,*19*,*08*
5914	10.8	− 1 58	7.0	7.14	2762,2769	15,*15*
4912	10.9	+31 8	7.3	7.52	3167,3467	08,*07*
4521	10.9	+27 42	6.5	6.38	3181,3467,4201	*08*,19,*12*
1023	11.0	+73 41	6.2	*5.92*		. . ▲
4712	11.0	+24 15	7.0	6.46	4201,4202	06,*06*
1780	11.1	+64 28	7.2	7.67	3129,3162	*10*,10
17821	11.1	−23 46	7.3	7.10	2778,2793,3519	04,04,*07*
16249	11.1	−27 38	7.4	7.31	2790,2793	*13*,13
R	11.1	−45 2	. .	5.82	3534	▲
4883	11.2	+34 52	6.6	6.76	3843,3859	03,*02*
18640	11.2	−29 14	7.5	7.24	2778,3477,3481	08,*02*,*07*
1955	11.3	+63 44	7.0	7.07	3129,3162	00,00
4077	11.7	+49 57	7.5	*7.57*		▲ . .
6076	11.7	− 8 16	5.5	5.27	3852,4202,4203	*19*,11,08
6429	11.7	−19 25	7.0	7.06	3119,3120	02,*01*
18644	11.7	−28 59	6.5	6.74	2778,2786,3841	*12*,21,*09*
1311	11.8	+70 20	6.0	5.61	3162,4202,4203	16,*06*,*10*
4078	11.8	+50 7	7.1	*7.77*		▲ . .
5975	11.8	− 7 43	7.3	6.68	2762,2769,3852	26,*15*,*11*
4648	12.0	+ 2 44	3.8	*3.88*		. . ▲
3410	12.1	+52 40	5.4	5.71	3140,3169,4201	*01*,*21*,23
1960	12.2	+63 35	7.0	7.52	3129,3162	*05*,05
2413	12.2	+61 25	6.5	6.49	3093,3122,3129, 3840	04,*15*,18, *06*
6254	12.2	−16 48	6.5	6.57	3119,3120,3852	*05*,12,*06*
6438	12.3	−14 11	7.5	7.78	3119,3120	*04*,04
2978	12.4	+57 7	7.2	7.35	3140,3169	25,*25*
6461	12.4	−12 16	6.3	*6.43*		. . ▲
4368	12.5	+44 37	6.2	6.59	3176,4201,4203	01,05,*06*
4891	12.6	+17 45	7.0	6.71	2775,2777,3855	22,*14*,*08*
825	12.7	+78 42	7.5	7.74	3129,3162	00,00
6160	12.7	− 9 44	5.5	*4.60*		*09*, . 08
6441	12.7	−14 21	6.8	*6.82*		▲ . .
15211	12.7	−41 22	5.8	5.58	3472,3473,3487, 3534,3860,3864, 3867,3870,3897, 3905	*18*,03,*21*, 02,*11*,36, 15,07,*04*, *14*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
4918	12.8	+30	29	7.5	*7.16*		▲ . .
4682	12.9	+33	31	6.8	6.97	3167,3467,3843	13,*19*,06
3991	13.1	+48	28	4.9	*5.05*		. 05,*05*
4899	13.1	+29	54	7.2	*7.21*		▲ . .
4373	13.2	+44	57	6.5	6.26	3843,3860	04,*04*
6433	13.2	−19	23	7.0	*6.97*		▲ . .
896	13.3	+77	37	7.8	7.40	3162,3166	14,*15*
4596	13.4	+27	3	7.3	7.40	3130,3166	*10*,10
16476	13.4	−33	5	4.4	4.58	3129,3472,3473,	*09*,04,*12*,
						3487,3491,3492,	07,*15*,00,
						3495,3859,3860,	*18*,08,11,
						3864,3866,3867,	*10*,03,05,
						3870,3900,3905,	03,17,03,
						4227	02
4599	13.6	+27	4	6.8	7.10	3130,3166	00,00
19218	13.6	−31	6	6.9	6.87	3468,3472,3487,	*02*,00,17,
						3491,3492,3495,	00,11,*37*,
						4200	11
5043	13.7	+41	13	6.2	5.84	3467,3468,3843	01,08,*10*
18654	13.7	−28	56	6.8	6.75	2778,2790,3841	*03*,*05*,08
6094	13.8	−10	9	5.7	*5.22*		*01*, . 00
6468	13.8	−12	43	7.2	7.12	3120,3137	02,*01*
6448	13.8	−14	0	5.3	5.16	3119,4202,4203	*12*,14,*01*
1016	13.9	+74	46	6.6	6.40	3840,3842	00,00
5001	13.9	+35	33	7.3	*7.27*		▲ . .
4622	13.9	+33	11	7.5	7.28	3167,3467	22,*21*
14994	14.0	−39	42	6.9	6.84	2774,2779,3841	*06*,04,02
5966	14.2	− 5	40	6.2	5.68	3139,4202,4203	*10*,02,07
6283	14.2	−18	37	6.0	*6.08*		. 07,*06*
1096	14.3	+73	9	6.8	7.28	3162,3168	16,*15*
4107	14.3	+47	57	7.5	7.45	3176,3185	*05*,05
4378	14.3	+44	36	6.8	6.38	3176,3843,3860	12,16,*29*
4634	14.4	+42	35	7.5	7.65	3168,3176	*05*,05
15985	14.4	−34	15	6.7	6.55	2779,2783,3841	*07*,*03*,11
1514	14.5	+67	34	5.2	4.92	3467,3468,3475,	06,*02*,12,
						3477,3488,3491,	*02*,*14*,13,
						3492,3501,3503,	*13*,*13*,01,
						3519,3531,3542,	*08*,03,*04*,
						3544,3555,3829,	00,06,01,
						3840,3855,3864,	16,*11*,*11*,
						3866,3867,3870,	06,06,09,
						3886,3895,3900,	*15*,17,*01*,
						3901,3903,3905,	*19*, R,19,
						3913,3920,4207,	*17*,07,*06*,
						4211,4225,4227,	*17*,02,*09*,
						4228,4232,4233,	22,08,*14*,
						4235,4252,4259,	*03*,*30*,*13*,
						4261,4265,4275,	*24*,*04*,26,
						4545,4553,4554,	06,23,10,
						4554,4561,4561	09,*05*,09
6259	14.5	−16	19	7.0	7.44	3119,3137	08,*08*
5007	14.6	+35	17	6.7	6.54	3843,3859	03,*02*
4899	14.6	+34	15	6.4	5.90	3843,3859	*02*,03
4110	14.8	+48	4	6.0	*5.50*		. . ▲
5009	14.8	+ 7	27	7.3	*7.08*		. 06,*07*
4114	15.0	+47	51	6.5	6.35	3176,3185,3848	15,*05*,*09*
2423	15.1	+62	11	7.2	7.12	3116,3143	15,*15*
4640	15.1	+42	25	7.5	7.45	3168,3176	05,*05*
4752	15.1	+41	31	5.9	*5.87*		. . ▲
5868	15.1	− 4	28	6.5	6.54	3852,3855,3857	*03*,*10*,12
5049	15.2	+41	12	7.4	7.23	3467,3468,3491	06,*20*,15
4808	15.2	+22	32	6.3	6.84	3166,3181,3829	*17*,13,03
2985	15.3	+56	42	6.7	7.15	3140,3169	05,*05*
4997	15.3	+ 4	50	5.5	5.28	3855,4200,4201	*04*,01,03
6191	15.5	− 6	27	6.5	6.30	2762,2769,3852	06,*04*,*03*
5312	15.6	+20	39	6.8	*7.15*		▲ . .
5089	15.6	+19	18	7.0	7.10	2775,2777	03,*03*
2521	15.7	+60	36	7.0	6.73	3842,3859	19,*19*
4810	15.7	+23	12	5.0	*4.59*		. . ▲
6053	15.7	−11	5	7.8	7.80	3137,3143	01,*02*
6444	15.7	−19	32	7.5	7.79	3119,3120,3137,	*11*,06,01,
						3137,3139	*17*,21
6445	15.7	−19	5	7.3	7.03	3119,3119,3120,	05,15,*18*,
						3122,3129,3130,	00,*13*,*10*,
						3136,3139,3490,	08,09,01,
						3495,3501,3841,	*01*,10,03,
						3842,3852,4202,	*07*,*02*,15,
						4202,4203,4203,	03,07,01,
						4207,4207	*30*,*06*
1787	15.8	+64	17	7.3	7.17	3116,3143	10,*10*
2426	15.8	+62	5	7.3	7.62	3143,3162	*15*,15
2427	15.8	+61	26	6.5	6.62	3129,3143,4202	05,*05*,01
4974	15.8	+14	31	7.5	7.55	2775,2777	18,*18*
4908	15.9	+29	52	6.1	*5.82*		09, . *09*
4912	15.9	+16	43	7.0	6.55	2775,2777,3855	08,*08*,*01*
16284	15.9	−27	32	6.0	*5.78*		. 01,*01*
2701	16.0	+59	44	6.7	6.66	3469,3843,4201	*09*,02,07
4440	16.0	+43	35	6.3	6.14	3168,3176,3843	06,06,*12*
6173	16.0	− 9	13	7.5	7.38	2762,2769	16,*15*
4817	16.1	+37	38	6.0	5.81	3182,3468,4201	09,*33*,23
6453	16.1	−13	49	7.3	7.29	3137,3139	*01*,01
2428	16.2	+61	40	6.0	*6.60*		. . ▲
5973	16.2	− 5	13	7.0	6.66	3852,3855	*09*,08
6733	16.3	−17	14	7.2	7.96	3119,3137	04,*03*
4820	16.4	+38	3	7.3	7.44	3182,3467	16,*15*
2703	16.6	+59	55	7.5	7.36	3096,3534	04,*04*
5012	16.6	+35	57	6.7	*7.67*		▲ . .
6098	16.6	−10	18	7.5	7.54	3137,3139	*10*,11
2433	16.7	+61	28	7.5	8.22	3162,3166	05,*05*
4445	16.7	+43	31	7.3	7.55	3168,3176	*15*,15

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1974	16.9	+64 12	7.0	7.17	3116,3143	20,*20*
4019	16.9	+46 48	7.5	8.25	3168,3176	*05*,05
5091	16.9	+20 6	7.5	*7.40*		▲ . .
4897	17.0	+31 16	5.8	5.46	3167,4201,4202	*16*,*08*,23
4924	17.1	+26 5	6.3	6.41	3829,3843,3859	00,09,*10*
4538	17.2	+28 9	6.6	6.62	3181,3467,3829	*02*,09,*07*
4816	17.3	+23 1	7.5	7.32	3166,3181	*05*,05
4013	17.4	+48 15	7.5	7.45	3168,3176	*15*,15
6406	17.4	−15 35	5.3	5.21	3119,3120,4202	*19*,*02*,22
4927	17.5	+25 22	6.6	6.54	3829,3843,3859	*03*,*11*,13
17620	17.5	−24 0	7.6	7.28	2778,2786	06,*07*
1978	17.7	+63 58	7.5	7.92	3143,3162	*05*,05
5317	17.7	+20 16	6.3	6.30	3467,4201,4202	*21*,13,08
6587	17.7	−20 39	4.5	*4.32*		16, . *17*
5093	17.8	+20 1	7.2	*6.56*		. . ▲
4993	18.0	+11 46	5.3	*5.31*		. 09,*09*
2710	18.1	+59 35	6.0	*5.87*		. . ▲
6105	18.1	− 9 56	8.0	7.78	2762,2769	16,*15*
4025	18.2	+50 30	7.4	*7.72*		▲ . .
19267	18.3	−31 40	7.3	7.62	2774,2779,3841	*14*,*08*,22
4509	18.4	− 0 16	6.7	6.43	3852,3855	*02*,02
6448	18.5	−19 39	8.2	7.98	3120,3852	07,*06*
6183	18.6	− 9 1	7.2	6.81	2769,3137,3852	*18*,23,*06*
4901	18.8	+31 58	6.7	6.59	3182,3469,3843	11,06,*17*
6450	18.8	−19 15	6.7	6.24	3120,3120,3852,3855	*09*,21,*14*,00
6119	18.8	−22 19	6.8	6.54	2778,3477,3481	18,*02*,*16*
3151	19.0	+53 29	7.0	6.81	3140,3169,3842	*11*,*01*,12
4577	19.1	+29 8	7.0	7.02	3181,3467	*12*,12
15237	19.1	−37 45	7.1	7.15	2774,2779,3841	*11*,*10*,22
4663	19.2	+ 3 9	7.7	6.65	2777,3108,3116	*13*,08,06
5065	19.3	+41 5	6.5	6.54	3843,3859	*08*,09
4916	19.4	+34 47	7.0	*7.77*		▲ . .
4827	19.4	+23 13	7.2	7.22	3166,3181	05,*05*
1799	19.6	+64 47	6.8	*7.35*		▲ . .
2999	19.6	+56 59	7.0	6.76	3140,3169,3842	14,*26*,13
5068	19.7	+40 34	7.0	6.54	3843,3859	*09*,09
17889	19.7	−23 3	7.7	7.72	2778,2790	06,*05*
5024	19.9	+35 49	6.5	6.72	3843,3859	*06*,07
4904	19.9	+31 50	6.0	5.41	3167,3843,4201,4202	*31*,*14*,20,24
19543	20.1	−30 34	7.7	7.90	2779,2783,3841	01,*04*,02
4768	20.2	+41 41	7.2	7.80	3168,3176	00,00
1988	20.3	+63 18	7.0	6.76	3143,3162,3840	*09*,11,*02*
2535	20.3	+61 5	neb.	8.48	3185,3475	*08*,08
2969	20.3	+54 33	7.5	7.55	3169,3176	*05*,05
2444	20.4	+61 44	5.3	5.13	3122,3143,4202	01,*16*,15
4833	20.4	+22 51	4.5	*4.57*		. . ▲
5025	20.5	+35 37	7.0	*7.62*		▲ . .
4036	20.6	+49 6	7.5	8.25	3168,3176	05,*05*
4934	20.6	+25 39	7.5	*8.36*		▲ . .
4773	20.7	+24 25	7.1	6.78	3166,3181,3829	09,*11*,03
2970	20.8	+54 53	7.5	*8.06*		▲ . .
6420	20.8	−21 12	5.5	*4.66*		. 03,*02*
18199	20.9	−27 59	6.6	6.70	2778,2790,3841	06,*16*,10
3440	21.0	+52 27	7.0	6.94	3169,3176,3842,3843	06,*14*,32,*22*
4414	21.0	+44 47	7.5	*7.92*		▲ . .
4773	21.1	+41 59	neb.	8.10	3168,3176	20,*20*
5058	21.1	+ 8 23	7.3	7.60	2777,3108	*06*,05
6404	21.1	−13 30	7.3	7.70	3120,3137	02,*02*
4999	21.2	+38 48	7.4	6.78	3167,3467,3843	02,03,*06*
6128	21.3	−22 18	6.5	6.63	2778,2786,3841	09,*17*,07
1607	21.4	+66 22	7.3	7.60	3116,3122	*03*,04
5030	21.4	+ 8 7	7.1	7.04	2777,3108	*10*,11
6012	21.4	− 7 9	7.0	7.26	2769,3137	*10*,10
1376	21.5	+68 25	7.2	7.02	3116,3122,3840	*15*,02,13
4724	21.6	+ 1 56	8.0	*6.82*		. ▲ .
5085	21.7	+39 50	7.7	6.76	3843,3859,4201	*07*,12,*04*
6291	21.7	−15 48	7.0	6.89	3119,3120,3137,3503,3504	03,00,07,00,*12*
17904	21.7	−23 17	7.3	7.32	2778,2790	06,*05*
2540	21.8	+60 32	7.0	6.61	3842,3843,3859	20,07,*28*
4419	21.8	+44 47	7.2	*7.40*		02,*03*, .
4998	21.8	+ 0 42	5.7	4.93	3857,4200,4201	*01*,*06*,07
2593	21.9	+58 45	9.0	8.75	3475,3477,3481,3840,3841,3842,4200,4200,4203,4203,4207,4207	15,*23*,00,29,16,12,*30*,*40*,16,*09*,11,*02*
5078	21.9	+40 29	7.5	*7.62*		05,*05*, .
1331	22.0	+70 8	6.8	6.79	3840,3842	*04*,04
4999	22.1	+ 0 34	7.2	6.44	3855,3857	*05*,04
5639	22.1	− 8 11	7.3	7.59	2769,3137	*20*,20
1993	22.2	+63 45	7.4	7.90	3116,3122	*03*,04
6407	22.2	−18 29	7.0	7.50	3120,3137	*08*,08
16320	22.2	−27 50	7.3	7.34	2778,2790,3490	06,04,*09*
4672	22.3	+42 21	6.2	5.50	3168,3468,4201	10,*02*,*07*
16047	22.3	−34 11	7.2	7.38	3488,3490,3504	08,*03*,*04*
4421	22.5	+44 49	7.0	*7.67*		*10*,10, .
15895	22.6	−36 6	6.6	6.46	2783,2784,3841	*06*,12,*06*
4778	22.7	+24 37	6.5	*5.82*		*06*, . 07
6293	22.7	−15 51	6.8	6.86	3119,3120,3852	16,03,*18*
1810	22.8	+65 5	6.5	7.01	3840,4202	00,00
4465	22.9	+44 14	7.0	7.45	3168,3176	*05*,05
4649	22.9	+32 26	7.5	7.40	3167,3182	*10*,10
5173	22.9	+ 5 50	4.7	*4.49*		. . ▲
6496	22.9	−12 0	6.3	6.48	3120,3137,3852	06,13,*18*
1998	23.0	+63 22	7.0	7.40	3116,3122	07,*06*
1332	23.1	+69 49	6.2	5.63	3162,3840,3842	*06*,00,06
16654	23.1	−25 58	6.4	6.89	2778,2784,3841	08,*21*,14

23^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2595	23.3	+59 8	7.3	7.45	3169,3176	*05*,05
2596	23.4	+58 47	7.5	8.00	3176,3185	10,*10*
5111	23.4	+19 21	6.5	6.72	3855,3857	05,*06*
4440	23.6	− 1 22	7.5	7.54	2769,3137	*15*,15
6220	23.6	− 5 56	7.0	7.11	2769,3137,3477,3487,3501,3852,3855,3857,4202,4203,4207,4544,4545,4546,4546	*45*,15,14,09,12,*14*,01,02,*02*,06, R ,*06*,09,*13*,16
4424	23.7	+45 9	7.3	*7.87*		A . .
1035	23.8	+73 34	7.5	7.17	3116,3143,3185,3186,3472,3473,3475,3840,3841,3842,4200,4200,4208,4208,4207,4207	07,*14*,08,*21*,*03*,*17*,06,*07*,04,*04*,33,12,10,*15*,*06*,06
6120	23.8	− 9 49	7.0	6.32	3139,3143,3852,3855	13,*01*,*20*,07
835	24.0	+79 15	7.5	7.48	3116,3143	16,*15*
4791	24.0	+41 52	7.4	7.65	3168,3176	05,*05*
4844	24.1	+22 31	6.8	6.45	3166,3181,3829,3843	12,12,*14*,*10*
4830	24.1	+15 28	7.0	6.98	3855,3857	01,*02*
5009	24.1	+12 13	4.8	*4.68*		. *05*,04
3454	24.2	+53 7	6.8	7.10	3169,3185	00,00
5973	24.3	− 2 21	6.5	*6.59*		. A .
899	24.4	+85 52	7.5	*6.61*		A . .
4443	24.4	− 1 35	6.5	7.39	2769	A
5999	24.4	− 5 5	6.2	6.37	3137,3857,4202	*01*,*11*,13
4796	24.5	+41 49	7.0	7.65	3168,3176	*05*,05
4241	24.6	+45 55	7.0	6.67	3168,3185,3859,3860	23,18,*35*,*01*
4177	24.8	+47 50	7.5	7.72	3168,3468	08,*07*
4752	24.9	+24 13	7.4	7.27	3166,3181	00,00
1022	25.0	+74 41	7.0	6.54	3116,3143,3840	00,*01*,00
4938	25.0	+34 27	7.3	7.90	3167,3182	*10*,10
5342	25.0	+21 1	7.0	7.12	3166,3181	05,*05*
6138	25.0	−22 26	7.8	7.46	2778,2784	12,*11*
5016	25.1	+ 4 28	7.0	7.32	2777,3108	*10*,11
2747	25.2	+58 1	7.2	7.06	3169,3176,3842	04,*16*,11
15280	25.2	−37 31	7.2	7.57	2779,2783,3488	01,03,*03*
4070	25.3	+48 36	6.8	6.38	3168,3468.3859	12,00,*12*
2748	25.4	+58 0	5.7	4.97	3169,3176,4201	*07*,03,03
17702	25.4	−24 45	7.4	7.40	2778,2784	*09*,10
4833	25.6	+16 1	7.3	7.30	2775,2777	*07*,07
5019	25.6	+ 4 41	7.5	7.12	2777,3108	00,01
5009	25.6	+ 0 19	7.7	*7.53*		A . .
15821	25.6	−35 40	7.5	8.07	2779,2783,3488,3490	*13*,01,15,*04*
4945	25.7	+21 29	7.5	7.57	3166,3181	10,*10*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
6303	25.7	−16 32	7.3	7.80	3119,3120	*08*,09
4856	25.8	+38 6	6.5	6.21	3167,3182,3829	*11*,19,*08*
4721	25.9	+33 17	7.2	7.35	3167,3182	*15*,15
6036	25.9	− 6 51	6.8	6.39	2769,3137,3852	*23*,27,*04*
4731	26.0	+ 1 49	8.0	*7.06*		. A .
R	26.0	−45 24	. .	5.85	3534	A
2004	26.1	+63 51	6.9	7.26	3122,3143	08,*09*
4931	26.1	+18 14	7.3	7.40	2775,2777	*07*,07
5023	26.3	+38 42	5.8	5.83	3167,3182,4201	*03*,*03*,06
2605	26.4	+58 35	7.5	6.85	3169,3176,3472	*05*,*05*,09
5896	26.4	− 4 38	6.8	*6.50*		A . .
6141	26.4	−21 56	7.0	*6.24*		. 00,00
4566	26.5	+28 7	6.0	*6.70*		. . A
3630	26.6	+51 52	7.3	7.33	3169,3468	07,*07*
4082	26.6	+48 58	7.0	7.47	3168,3475	13,*13*
6142	26.6	−21 48	7.8	7.25	2778,2784	07,*07*
16683	26.6	−26 18	6.7	6.69	2778,2784,3841	24,*14*,*09*
2607	26.7	+58 53	7.5	7.55	3472,3475	14,*14*
4568	26.7	+27 51	6.3	*6.23*		. . A
6508	26.7	−12 30	7.5	7.88	3120,3137	05,*05*
908	26.8	+77 20	7.0	7.04	3143,3162	*11*,10
4450	26.8	− 1 39	6.7	6.36	3852,3855	*17*,18
3178	26.9	+53 36	7.5	7.72	3472,3475	02,*02*
4481	27.0	+43 31	6.8	7.10	3168,3185	00,00
6510	27.0	−12 6	6.7	6.80	3120,3137,3852	04,01,*05*
2609	27.1	+58 33	7.5	7.69	3472,3475	00,00
4252	27.1	+45 21	7.0	*7.62*		A . .
4861	27.1	+37 45	7.5	7.55	3167,3182	*05*,05
5168	27.1	+ 6 33	6.5	6.84	2777,3108,3855	20,01,*22*
4955	27.3	+26 0	7.4	8.11	3181,3467	*01*,01
6098	27.3	−11 33	7.0	6.74	3120,3139,3852	*10*,08,03
4957	27.4	+25 58	7.4	8.10	3181,3467	10,*10*
4944	27.4	+16 52	7.2	7.10	2775,2777	*07*,07
4948	27.5	+34 25	6.5	6.48	3829,3843	04,*04*
4759	27.5	+23 18	6.8	6.61	3166,3181,3829	06,*04*,*01*
15527	27.6	−38 22	4.8	4.35	3119,3130,3144,3145,3468,3469,3481,3487,3492,3495,3525,3841,3855,3859,3860,3864,3866,3870,3871,3895,3900,3901,3905,3913,4203,4207,4223,4227	01,*05*,12,17,18,16,01,*01*,06,*36*,*16*,00,*06*, R ,*26*,18,18,*05*,*01*,*03*,11,*10*,*15*,16,*04*,*11*,10,R
1819	27.7	+65 11	6.2	*6.62*		*07*, . 08
344	27.8	+86 45	6.0	*5.64*		00, . 01
5655	27.8	− 3 34	6.8	6.99	2769,3139,3495,3503,3519,3852,3855,3857,4202,	*50*,21,16,*06*,03,*19*,02,07,23,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					4203,4207	*04*,04
909	27.9	+77 15	6.8	7.08	3143,3162	*05*,06
3469	27.9	+53 8	7.0	7.02	3176,3472	*02*,02
6428	28.0	−13 10	6.3	7.12	3477,3487	02,*03*
6437	28.0	−21 28	5.8	*4.75*		. *03*,03
4074	28.1	+46 28	7.0	7.86	3168,3475	*06*,07
19333	28.1	−31 51	7.2	7.22	2779,2783,3488	02,*03*,01
1208	28.2	+71 27	6.8	*6.64*		. . ▲
2244	28.2	+62 36	7.3	7.40	3122,3143	04,*03*
4259	28.2	+45 35	7.0	6.84	3859,3860	*01*,00
6011	28.3	− 4 57	7.2	*7.05*		▲ . .
4764	28.4	+23 48	7.1	6.87	3166,3181,3829	10,10,*19*
15940	28.4	−36 49	7.0	7.30	2779,2783,3841	*12*,10,03
4700	28.5	+42 17	7.0	7.25	3168,3185	*05*,05
4952	28.5	+21 57	6.0	5.58	3467,4201,4202	03,12,*14*
15832	28.5	−35 4	7.5	8.13	3481,3488,3490,3504	02,*08*,17,*10*
3025	28.6	+56 52	7.5	7.40	3475,3487	07,*07*
4938	28.6	+17 16	6.7	6.68	2775,2777,3855	05,*01*,*04*
16081	28.6	−34 13	7.5	8.11	3488,3504,3525	*09*,06,03
5103	28.7	+41 5	7.3	7.12	3182,3467	*02*,02
16517	28.7	−25 25	7.4	7.48	3488,3504,3525	*01*,*05*,05
4441	28.9	+44 31	6.5	6.18	3859,3860	06,*06*
5352	28.9	+20 18	6.0	*6.26*		*01*, . 00
2745	29.0	+59 29	7.0	*7.41*		▲ . .
4262	29.0	+46 8	7.0	6.82	3168,3475,3859	08,01,*08*
4978	29.0	+30 46	5.0	5.25	3182,4201,4202	05,11,*16*
5986	29.0	− 1 48	6.0	*5.95*		. . ▲
4489	29.1	+43 21	6.9	6.87	3168,3185,3859	*07*,03,04
5029	29.3	+ 4 55	8.0	6.80	2777,3108,3855	02,03,*04*
3006	29.4	+54 56	7.3	*7.41*		▲ . .
4738	29.6	+33 49	7.5	7.30	3167,3182	00,00
6314	29.6	−15 48	6.0	*6.10*		. 01,*02*
15843	29.6	−35 38	6.9	7.18	2779,2783,3481	06,*10*,04
5114	29.7	+39 41	6.0	*5.48*		. 06,*05*
5082	29.7	+37 14	7.2	7.25	3167,3182	*15*,15
4667	29.7	+32 57	6.0	*5.67*		. . ▲
R	29.7	−43 10	. .	4.66	3467,3468,3469,3490,3534,3855,3860,3866,3870,3871,3900,3901,3905,3913,4203,4207	18,24,29,*35*,*03*,08,12,*16*,21,05,*12*,15,*29*,*10*,*07*,*23*
5054	29.8	+35 39	7.1	*7.52*		▲ . .
1109	29.9	+72 28	7.5	7.24	3143,3162	*01*,00
4866	29.9	+37 29	6.2	6.34	3167,3182,3829,3859,4201,4202,4203	*04*,36,05,*25*,14,*11*,*15*
6141	29.9	− 8 14	7.3	7.42	2769,3139,3477,3487,3501,3852,	*39*,23,05,07,00,*12*,

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
					3855,3857,4202,4203,4207	19,*07*,12,06,*17*
4706	30.0	+42 40	7.5	7.31	3185,3468,3475	09,*06*,*02*
4767	30.0	+23 53	6.5	6.85	3829,4201,4202	13,00,*13*
5912	30.1	− 4 25	7.8	*7.45*		▲ . .
4958	30.2	+10 24	7.5	*7.42*		▲ . .
6779	30.2	−17 8	7.3	7.66	3120,3139	01,*01*
6110	30.3	−11 7	7.3	7.28	3120,3139	06,*06*
4982	30.4	+30 27	7.5	6.72	3829,3843	17,*17*
5059	30.4	+ 7 58	6.5	6.89	2777,3108,3855	05,*14*,09
5018	30.4	+ 0 46	7.2	*6.65*		. ▲ .
6142	30.4	− 8 1	6.3	6.47	3139,3852,3857	*02*,*03*,04
18257	30.4	−28 3	6.5	6.68	2778,2784,3488	18,*18*,*01*
15084	30.4	−39 31	7.7	7.63	2779,2783,3481	*11*,08,04
4165	30.5	+49 46	7.2	*7.12*		▲ . .
4497	30.5	+43 35	7.3	7.76	3185,3468	*06*,05
4935	30.5	+31 39	6.8	6.62	3167,3182,3829	*02*,08,*07*
5060	30.5	+ 7 50	7.2	7.30	2777,3108,3852	04,15,*20*
6317	30.5	−15 51	7.0	7.34	3120,3139	05,*06*
1327	30.6	+71 5	6.0	6.05	3149,4202,4203	*01*,05,*03*
1619	30.6	+66 56	6.8	7.40	3122,3143	24,*23*
3655	30.6	+51 44	6.5	7.02	3487,3491	07,*07*
19351	30.7	−31 12	7.5	7.48	2779,2783,3488	00,*06*,05
4087	30.9	+50 43	7.0	*7.22*		▲ . .
4579	30.9	+27 19	7.3	7.34	3181,3467	16,*17*
4769	30.9	+24 1	6.7	6.50	4201,4202	*03*,03
6220	30.9	− 9 19	7.4	*7.33*		▲ . .
16377	30.9	−27 26	6.4	6.54	2778,2784,3841	06,*02*,*03*
4744	31.3	+ 1 32	6.8	*5.68*		. 14,*13*
16539	31.4	−25 48	7.5	7.72	2778,2784	*05*,06
4671	31.5	+32 21	6.8	6.25	3178,4201,4202	05,*04*,*02*
15311	31.6	−37 21	7.5	7.53	3481,3488,3490	01,*17*,15
17593	31.8	−32 26	6.5	6.60	2774,2778,3504	05,10,*15*
16713	31.9	−26 25	8.4	8.80	4545,4545	01,00
1542	32.0	+67 18	7.2	7.20	3122,3143	14,*13*
3486	32.3	+52 54	7.5	7.70	3491,3492	04,*03*
4960	32.3	+21 42	7.3	7.72	3130,3166	*05*,05
2990	32.4	+55 20	7.0	*7.51*		▲ . .
5066	32.5	+35 15	7.0	*7.07*		▲ . .
6439	32.5	−13 37	5.5	5.83	3139,4202,4203	07,*03*,*03*
R	32.5	−46 3	. .	4.96	3490,3490,3534,3534,3544,3866,3866,3870,3870,4203,4203	*08*,08,*05*,*21*,*59*,13,*35*,09,11,37,46
4954	32.6	+16 17	6.4	*6.08*		. . ▲
16553	32.6	−25 26	7.3	7.74	2778,2786	07,*06*
4283	32.7	+45 55	3.5	3.89	3473,3487,3491,3492,3859,3860	05,18,14,*02*,*20*,*16*
4508	32.7	+43 52	6.3	5.86	3185,3468,3859	14,*15*,02
4952	32.9	+17 51	5.8	*5.46*		. . ▲

DM.	R.A. 1900.	Dec. 1900.	Magn. DM.	Magn. Phot.	Julian Days.	Resid.
	m.	° ′				
6464	32.9	−15 39	6.5	*6.66*		A . .
4288	33.0	+45 39	6.8	6.50	3859,3860	*18*,17
4112	33.1	+48 27	7.3	7.12	3475,3487	*23*,23
6224	33.1	− 9 11	7.2	6.84	3139,3143,3852	11,07,*17*
728	33.2	+82 39	7.5	*7.69*		A . .
4719	33.2	+42 31	7.5	6.92	3468,3473,3859	12,*09*,*02*
4720	33.2	+42 43	4.2	4.30	3185,3468,3473	00,*08*,07
5129	33.2	+20 2	6.8	*7.30*		A . .
4826	33.5	+41 57	7.0	6.79	3185,3468,3859	11,*07*,*03*
2770	33.6	+58 6	7.2	7.22	3487,3491	14,*14*
4972	33.6	+34 28	6.5	*7.02*		A . .
4880	33.9	+22 46	6.8	7.01	3130,3166,3829	06,*14*,08
5038	33.9	+11 39	7.8	*7.56*		. A .
3207	34.0	+53 53	7.2	7.49	3487,3491	*01*,01
2490	34.1	+61 35	6.5	6.72	3143,3149,3840	05,12,*17*
6170	34.1	−22 28	7.2	7.76	2778,2786	02,*02*
16118	34.1	−34 8	7.5	7.87	3504,3525,3534	*16*,06,09
4180	34.3	+49 55	5.7	*5.32*		. 05,*04*
4588	34.4	+27 41	6.8	6.97	3130,3178,3829	13,*17*,04
2772	34.5	+58 12	7.5	8.06	3487,3491	03,*03*
4464	34.5	+45 10	7.5	*7.77*		A . .
17984	34.5	−23 5	7.5	7.16	2778,2786	*08*,08
16646	34.5	−33 18	6.9	7.19	2774,2779,3504	11,*15*,04
6471	34.6	−14 47	5.3	*5.12*		09, . *08*
4726	34.7	+42 47	7.5	7.60	3185,3468	10,*11*
6256	34.7	− 6 6	7.3	7.81	3139,3143	07,*07*
18790	34.7	−29 30	7.4	7.56	2778,2786	03,*03*
2627	34.8	+58 26	7.3	7.70	3487,3491	*06*,05
4979	34.8	+34 24	7.2	7.16	3167,3178,3829	*16*,*16*,31
5035	34.8	+ 5 5	4.2	*4.28*		07,00,*07*
5095	34.9	+ 9 7	6.0	*5.99*		. . A
1032	35.0	+74 43	6.5	*6.04*		08, . *08*
1047	35.0	+73 25	5.6	6.08	3467,3481,3488,	12,*14*,01,
					3490,3491,3492,	01,*05*,*09*,
					3504,3514,3526,	*06*,*17*,18,
					3542,3544,3550,	12,13,*14*,
					3555,3840,3843,	04,*06*,*04*,
					3855,3857,3864,	02,*16*,*17*,
					3866,3867,3870,	*02*,*05*,*13*,
					3895,3901,3905,	09,21,18,
					3911,3918,3920,	*05*,05,01,
					3921,3922,4196,	*04*,31,*19*,
					4200,4201,4207,	16,05,*07*,
					4227,4232,4233,	05,*05*,*12*,
					4256,4261,4265,	*08*,22,21,
					4275,4280,4287	05,*28*,09
4671	35.0	+26 59	6.3	6.75	3130,3178,3829	05,*05*,00
4673	35.0	+26 17	7.5	7.65	3130,3178	05,*05*
5098	35.1	+37 6	6.5	6.23	3178,3181,3829	*03*,*13*,17
928	35.2	+77 4	3.5	*3.48*		. . A
1836	35.2	+64 17	7.5	8.00	3122,3143,4275	04,*03*,*02*
2268	35.2	+63 10	6.7	6.85	3122,3149,3840	09,*01*,*08*
16736	35.2	−26 45	7.5	7.50	3143,3144,3145,	*06*,*30*,29,
					3525,3534,3544,	00,01,*12*,
					3841,3855,3857,	07,*15*,R,
					4200,4202,4207	13,23,*14*
4467	35.3	+44 31	7.0	7.47	3468,4203	*06*,06
4956	35.3	+17 40	7.2	7.26	2775,3108	07,*08*
17621	35.4	−32 38	5.5	5.38	3122,3130,3144,	02,00,*07*,
					3149,3467,3468,	33,*10*,*09*,
					3469,3472,3492,	*02*,19,01,
					3525,3542,3840,	16,*03*,*05*,
					3855,3857,3859,	07,*12*,*11*,
					3860,3864,3866,	02,*24*,12,
					3870,3871,3873,	*01*,*02*,00,
					3895,3900,3901,	*16*,*17*,05,
					3905,3913,4203,	19,*10*,*07*,
					4207,4223,4227	06,*05*,13
4522	35.5	+43 47	4.7	4.26	3468,3475,4203	*19*,21,*02*
4785	35.5	+24 8	7.5	7.82	3130,3166	*05*,05
5074	35.6	+36 9	6.0	*6.26*		06, . *06*
4547	35.6	− 0 8	7.5	*7.68*		A . .
6166	35.7	− 8 28	7.0	7.08	3139,3143	*13*,13
15335	35.7	−37 48	7.7	8.46	2774,2779,3481,	*02*,*11*,*12*,
					3487,3490,3534,	41,14,09,
					3841,3857,3866,	04,15,*31*,
					4200,4256,4256,	*13*,*06*,*08*,
					4277,4277,4278,	*11*,*17*,04,
					4278	16
15588	35.7	−38 26	7.1	7.67	2779,2783,3481	15,*05*,*09*
17623	35.8	−32 38	7.2	7.18	2774,2778,3525	07,02,*08*
17796	35.9	−24 43	7.2	6.90	2778,2786,3841	*09*,08,01
3682	36.0	+52 0	7.3	7.56	3491,3492	00,01
6535	36.0	−12 14	6.1	*6.21*		. . A
4842	36.1	+41 18	6.8	6.84	3468,3473,3859	03,13,*15*
2780	36.2	+57 17	7.1	7.22	3492,3495	09,*10*
4301	36.2	+45 40	7.0	*7.22*		A . .
4952	36.3	+32 0	7.0	7.25	3178,3182	*15*,15
15591	36.3	−38 0	7.2	7.93	2783,3481,3534,	R,14,*01*,
					3542	*14*
6357	36.4	−18 35	5.3	*5.64*		. . A
4127	36.5	+46 18	7.0	7.25	3492,3495	*07*,07
5143	36.5	+40 0	7.3	*7.02*		A . .
1838	36.6	+64 34	7.0	7.76	3122,3143	*02*,01
4127	36.6	+48 58	6.5	6.31	3475,3492,3859	08,06,*15*
4791	36.6	+28 40	7.3	7.47	3130,3178	*10*,10
6358	36.6	−18 23	4.3	*5.07*		. . A
5183	36.9	+ 6 42	6.5	*5.85*		. 06,*06*
5037	36.9	+ 1 14	4.6	*4.58*		*04*,18,*14*
5138	37.0	+19 45	7.3	7.60	2775,3108	03,*02*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
3067	37.1	+56 43	6.8	6.33	3492,3495,3495,	*16*,12,*05*,
					3842	09
4473	37.3	+44 26	6.5	6.49	3859,3860	*01*,01
4530	37.3	+44 13	6.8	6.90	3185,3468,3859	00,*08*,08
6345	37.3	−16 0	5.3	5.39	3137,4202,4203	07,*15*,09
4964	37.5	+18 7	7.3	7.30	2775,3108	*07*,08
6476	37.5	−15 6	4.8	*4.53*		10, . *10*
2038	37.6	+63 58	6.0	6.80	3467,3468,3469,	*16*,*19*,*19*,
					3481,3490,3501,	03,06,04,
					3503,3504,3514,	17,12,06,
					3526,3542,3550,	*02*,13,10,
					3555,3559,3840,	*14*,04,*03*,
					3841,3843,3857,	20,*09*,05,
					3860,3864,3901,	*02*,20,45,
					3905,3911,3913,	02,05,*05*,
					3918,3920,3921,	20,*23*,*15*,
					3922,4196,4200,	*26*,22,14,
					4201,4202,4207,	*20*,*03*,02,
					4223,4235,4236,	05,04,*13*,
					4265,4277,4280,	*11*,*09*,*38*,
					4284,4286	*10*,04
6542	37.6	−11 53	7.4	7.32	3137,3139	*01*,00
2609	37.7	+61 7	6.5	6.42	3842,3859	22,*21*
4872	37.7	+15 47	6.3	*6.51*		▲ . .
4124	37.8	+50 53	7.3	7.34	3492,3495	*10*,09
18811	37.8	−29 36	7.2	7.31	2778,2786	18,*18*
15358	37.8	−37 21	7.1	7.36	2774,2779,3481	03,15,*19*
4763	38.1	+34 11	7.0	7.35	3178,3182	05,*05*
16671	38.1	−33 38	6.9	7.21	2774,2783,3504	*03*,14,*11*
3692	38.2	+51 23	6.5	6.60	3492,3495,3842	*05*,07,*01*
3503	38.3	+52 36	6.5	6.51	3492,3495,3842	*11*,00,11
5268	38.3	+ 9 46	5.0	*5.38*		. *03*,03
2787	38.6	+57 30	7.5	7.02	3492,3495	07,*06*
16150	38.6	−33 59	6.6	6.83	2774,2783,3504	*05*,12,*07*
5194	38.8	+ 6 42	8.0	8.00	3108,3852	05,*05*
4627	39.0	+28 49	5.2	5.06	4201,4202	*10*,09
6500	39.0	−18 50	5.8	5.26	3139,4202,4203	*14*,19,*04*
5086	39.2	+35 47	7.5	7.40	3178,3182	*10*,10
16762	39.3	−26 48	6.3	6.26	2778,2786,3841	17,*13*,*05*
5697	39.4	− 3 44	7.0	7.24	3137,3139	*05*,06
3033	39.5	+54 39	6.8	*7.31*		▲ . .
4316	39.6	+45 49	7.3	7.48	3475,3492	05,*05*
6248	39.6	− 9 1	7.3	8.04	3137,3139	00,01
15137	39.6	−38 54	8.0	7.78	2774,2779,3534	02,*03*,01
4317	39.7	+45 43	7.5	*8.07*		▲ . .
5197	39.7	+ 6 39	7.4	6.91	3116,3144,3852	*07*,05,04
4747	39.8	+43 11	6.6	6.82	3468,3473,4203	05,*06*,02
4485	39.9	− 1 13	7.3	7.34	3137,3139	05,*04*
3010	40.0	+55 16	6.5	6.48	3842,3859	12,*13*
4209	40.0	+50 2	7.3	*8.02*		▲ . .

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
5366	40.1	+20 51	6.5	6.95	3829,3843	19,*19*
6536	40.2	−14 15	7.5	7.84	2768,3139	*06*,06
1393	40.3	+69 11	6.8	7.03	3122,3149,3840	01,*19*,19
5277	40.3	+ 9 37	6.5	*6.54*		01, . *01*
5147	40.4	+19 52	6.2	*6.70*		05, . *06*
5022	40.6	+12 36	7.3	*7.20*		. ▲ .
16688	40.6	−33 29	8.0	7.81	2774,2783,3504	09,07,*15*
15239	40.7	−40 45	6.1	6.19	3467,3468,3472,	43,*03*,*16*,
					3542,3840,3841,	*05*,*18*,*11*,
					3855,3866,3870,	*13*,*14*,20,
					3871,3873,3900,	08,11,30,
					3901,3905,3913,	11,*29*,30,
					3918,4203,4207,	*27*,*03*,*05*,
					4223,4232	*28*,27
4703	40.8	+32 44	7.5	7.30	3178,3182	*10*,10
4614	40.8	+27 38	7.5	8.05	3130,3178	05,*05*
4998	40.8	+25 47	7.3	7.80	3166,3178	10,*10*
6506	40.8	−19 14	5.0	*5.46*		*09*, . 09
4215	41.1	+50 7	7.0	*7.62*		▲ . .
4321	41.1	+45 52	5.2	5.19	3475,3492,3495	02,01,*03*
2294	41.2	+62 45	7.2	7.54	3122,3149	10,*10*
2769	41.2	+59 55	7.0	*7.11*		▲ . .
4768	41.3	+33 39	7.5	7.85	3182,3186	05,*05*
4709	41.3	+ 2 56	6.2	*5.44*		. . ▲
6258	41.4	− 9 33	7.5	*7.26*		▲ . .
1943	41.5	+66 13	6.3	*5.92*		03, . *03*
4617	41.5	+28 9	7.1	7.25	3130,3178	05,*05*
2051	41.7	+63 45	7.0	7.26	3122,3129	*02*,01
5117	41.7	+36 57	7.5	8.08	3182,3186,3492,	22,*28*,*04*,
					3544	08
6260	41.7	− 9 27	7.7	*7.31*		▲ . .
4280	41.9	+48 15	7.3	7.38	3473,3475	*08*,07
4619	41.9	+27 52	7.0	7.45	3130,3178	*05*,05
3044	42.0	+54 19	7.3	7.30	3492,3495	05,*06*
4147	42.0	+50 41	7.4	*7.47*		▲ . .
2804	42.1	+58 6	5.3	4.99	3495,4203,4207	01,09,*10*
6559	42.1	−12 28	6.0	5.96	3136,4202,4203	06,*01*,*05*
3085	42.2	+56 54	6.0	*5.83*		. . ▲
15626	42.3	−38 43	7.5	7.85	2774,2783,3534	17,*37*,19
5005	42.4	+25 36	7.5	*8.21*		▲ . .
2054	42.5	+63 35	7.2	7.86	3122,3129	08,*09*
4778	42.5	+33 59	7.5	7.55	3182,3185	*05*,05
4834	42.5	+25 1	7.0	*7.06*		▲ . .
6048	42.5	− 5 1	7.3	7.47	3137,3139	*01*,01
4158	42.6	+48 44	7.3	7.52	3473,3475	*10*,10
4169	42.6	+46 16	6.5	5.99	3475,3488,4203	10,*07*,*04*
4489	42.6	− 1 19	7.5	7.20	3137,3139	*01*,00
5707	42.8	− 3 19	5.4	*5.56*		. . ▲
1334	43.0	+70 56	7.5	7.66	3129,3149	11,*12*
6819	43.0	−17 15	7.0	7.52	3136,3488,3490	12,*16*,05

23^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
1562	43.1	+67 15	5.5	*4.99*		. *05*,05
5085	43.1	+ 7 42	6.8	6.61	3144,3145,3852	05,04,*10*
5086	43.2	+ 7 38	8.2	7.98	3852,4200	*27*,28
5208	43.2	+ 6 38	8.0	*7.08*		. A .
1946	43.3	+65 43	7.2	*8.50*		A . .
1948	43.4	+66 6	7.5	8.09	3122,3149	05,*05*
6086	43.4	− 6 56	6.8	6.27	3137,3139,3852	19,*09*,*11*
5107	43.5	+35 43	7.0	*7.17*		A . .
4836	43.5	+25 6	6.8	7.03	3859,3860	02,*02*
4625	43.6	+27 49	7.5	7.35	3130,3178	15,*15*
4773	43.7	+ 1 39	7.7	6.42	3144,3145,4200	*09*,01,07
18353	43.7	−28 41	4.6	4.62	3841,4200,4202	*05*,12,*07*
1861	43.8	+64 19	6.5	6.36	3840,3842,3903	13,00,*13*
2583	44.0	+61 40	5.9	5.65	3122,3176,3840	09,*07*,*02*
2777	44.0	+59 25	6.5	*6.38*		A . .
18361	44.1	−28 25	6.8	7.03	2778,2786	15,*15*
2653	44.3	+58 25	6.8	6.44	3492,3495,3842	*04*,08,*03*
4695	44.3	+26 29	7.4	7.85	3130,3178	15,*15*
4908	44.3	+22 18	6.6	7.02	3178,3181	*15*,15
6373	44.3	−16 25	6.3	*6.41*		. 02,*02*
6199	44.3	−22 11	6.8	7.14	2786,2790	02,*03*
17682	44.3	−31 58	7.5	8.01	3504,3534,3542	*19*,*02*,21
5054	44.4	+ 0 31	6.5	*5.62*		*14*, . 14
5110	44.6	+35 53	5.9	5.82	3182,3186,3859, 4201	08,18,*35*, 10
4649	44.6	+28 17	6.2	5.94	4201,4203	16,*17*
16796	44.6	−25 54	6.5	6.44	2790,2793,3841	01,*05*,04
4698	44.8	+27 8	7.1	6.94	3178,3181,3859	*04*,06,*03*
5016	45.0	+35 13	7.4	*7.77*		A . .
6146	45.0	−11 40	6.8	6.78	3119,4202,4203	*02*,09,*07*
6177	45.1	−10 32	6.5	*6.04*		*04*, . 03
4844	45.2	+24 18	6.8	*7.51*		A . .
6471	45.3	−13 40	7.1	7.11	2768,3119	*13*,13
6505	45.3	−15 8	7.3	*6.96*		29,*11*,*17*
6506	45.3	−15 32	7.5	7.39	2768,3119	*13*,13
R	45.3	−22 48	R	8.28	2778,2790	00,*01*
4165	45.4	+51 4	6.8	6.45	3842,3859	16,*16*
5003	45.4	+17 3	7.3	7.42	3116,3119	05,*04*
6507	45.4	−14 58	6.0	*6.00*		02,06,*08*
6486	45.4	−20 47	6.8	7.25	2778,2790	01,*01*
1647	45.5	+66 21	7.5	7.21	3149,3176	03,*03*
4776	45.5	+42 52	7.5	7.64	3185,3468,3473	R,*07*,06
2310	45.6	+63 11	6.9	7.21	3149,3176	03,*03*
3238	45.6	+53 39	6.7	7.22	3492,3495	*06*,06
6519	45.6	−18 51	7.3	7.09	2768,3119	*19*,19
4786	46.0	+ 1 41	7.5	7.22	2775,3144	18,*19*
2064	46.1	+63 26	6.6	6.76	3149,3176,3840	18,*18*,01
5174	46.2	+39 39	6.8	6.70	3859,3860	02,*01*
5127	46.2	+ 8 46	6.5	*6.15*		. 04,*04*
6522	46.2	−19 28	5.0	5.17	3136,4202,4207	*16*,08,07

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
16060	46.2	−36 36	7.5	7.73	3504,3534,3542	02,00,*01*
16729	46.3	−33 0	7.5	7.59	2774,2783,3504	04,*07*,03
4191	46.4	+46 56	7.2	7.75	3473,3488	*07*,07
15973	46.4	−35 15	6.5	6.76	2774,2783,3504	12,*05*,*06*
4881	46.5	+41 31	6.7	7.09	3185,3468	01,*01*
4899	46.6	+ 4 9	7.5	7.05	3119,3488,3490	*01*,*13*,18
16732	46.7	−33 41	6.8	7.10	2774,2783,3504	*02*,*15*,17
4780	46.8	+42 21	7.0	6.91	3185,3468,3842	09,*06*,*02*
5179	46.8	+40 11	7.3	*7.47*		A . .
4900	46.8	+ 4 11	7.7	6.67	3116,3477,3852	04,*02*,*03*
4898	46.9	+37 20	6.7	7.05	3182,3186	15,*15*
4725	46.9	+ 2 23	6.5	*5.84*		. . A
934	47.1	+77 3	6.9	6.49	3149,3176,3840	20,*13*,*06*
4254	47.1	+49 33	7.5	7.64	3473,3488	00,*01*
5386	47.3	+21 7	5.8	*6.30*		. . A
2551	47.4	+61 19	7.3	7.31	3149,3176	13,*13*
5231	47.4	+18 34	5.0	*5.24*		. 11,*10*
6515	47.4	−14 48	6.2	*6.10*		11, . *10*
1047	47.5	+74 59	6.3	6.48	3840,3842	08,*09*
5004	47.5	+10 23	6.0	*5.41*		01,*01*,00
6836	47.5	−16 55	7.3	7.72	3119,3136	18,*18*
6527	47.5	−19 7	7.5	6.68	3136,3139,3852	03,04,*08*
16678	47.5	−25 33	6.7	6.87	2778,2786,3841	10,*11*,00
5024	47.6	+34 46	7.0	*8.17*		A . .
5387	47.6	+21 12	6.6	*6.78*		A . .
6579	47.6	−12 34	7.3	7.62	3136,3139	10,*10*
6277	47.7	− 9 33	6.2	*5.95*		02, . *02*
4308	47.8	+47 56	7.5	7.27	3473,3488	*10*,10
5723	47.8	− 3 43	6.0	*6.08*		. 00,01
5167	47.9	+40 47	7.0	7.25	3182,3186	*05*,05
4999	47.9	+17 21	6.5	*6.79*		. . A
5068	47.9	+11 22	7.3	*6.80*		. A .
5126	48.0	+36 23	6.5	*6.67*		. . A
4792	48.0	+ 1 32	7.2	*6.22*		. . A
4793	48.0	+ 1 46	8.5	8.00	3116,3477	01,*01*
2784	48.1	+60 9	6.8	6.92	3842,3859	03,*02*
4989	48.1	+31 21	7.3	7.36	3182,3186,3492, 3544,3555	24,*26*,*12*, 20,*06*
5034	48.1	+25 27	7.5	*7.68*		08,*09*, .
5028	48.2	+34 29	7.5	7.90	3182,3186	10,*10*
17897	48.2	−24 47	6.3	*6.20*		. 04,*04*
4513	48.3	+44 44	7.4	7.98	3185,3468	*08*,08
5029	48.3	+35 5	7.3	*7.77*		A . .
4180	48.5	+50 58	7.0	*6.97*		. A .
6492	48.5	−21 4	7.2	7.52	2786,2790	*13*,12
6533	48.6	−18 56	7.8	7.42	3136,3139	09,*10*
19728	48.6	−29 58	7.5	7.49	2790,2793	*06*,06
4570	48.8	+43 59	7.0	7.40	3185,3468	00,01
5001	48.8	+17 26	7.0	7.35	2775,3116	*02*,02
19492	48.8	−30 55	7.2	7.71	2774,2783,3504	21,*15*,*05*

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
2636	48.9	+60 18	7.0	7.01	3842,3859	*06*,06
3041	49.0	+55 56	7.5	7.48	3492,3495	*04*,03
5091	49.0	+38 44	6.5	6.71	3182,3186,3859	09,*01*,*08*
2637	49.2	+61 3	7.3	7.56	3492,3495	*01*,02
16479	49.2	−27 36	6.4	*6.23*		. *01*,01
4312	49.3	+48 5	7.5	7.69	3473,3488	*05*,05
3111	49.4	+56 57	5.0	4.96	3488,3492,3495,	14,01,*24*,
					3550	11
15285	49.4	−40 52	6.1	6.03	3467,3472,3840,	15,*13*,06,
					3841,3855,3871,	*10*,09,*07*,
					3873,3901,3913,	25,21,*03*,
					3918,4203,4207,	*09*,06,*14*,
					4232,4235	*07*,*14*
6059	49.5	− 2 31	7.5	7.74	3137,3139	*05*,06
2562	49.7	+61 17	6.8	7.16	3149,3176	*02*,02
3559	49.7	+52 56	7.5	7.99	3495,3550	*08*,08
4585	49.7	− 0 27	6.2	6.03	3137,3143,3144	*14*,05,08
4666	49.9	+28 56	7.2	6.59	3178,3181,3859	11,*09*,*01*
4642	49.9	+28 6	7.0	7.30	3178,3181	10,*10*
6198	49.9	−10 1	7.0	6.70	3852,3855	02,*01*
15674	49.9	−37 56	7.3	7.52	3542,3544,3550	03,09,*11*
1063	50.0	+73 51	7.0	6.65	3122,3840,4202	*06*,00,07
4211	50.0	+47 11	6.7	7.14	3473,3488	03,*04*
5216	50.0	+ 6 31	6.8	6.08	3852,4200,4201	*15*,20,*06*
6081	50.0	− 5 13	7.5	7.92	3137,3139	04,*04*
6222	50.0	−21 56	6.8	7.31	2790,2802,3534	00,09,*10*
17723	50.1	−32 29	6.0	6.02	3143,3149,3152,	*06*,09,06,
					3185,3186,3191,	R, R,00,
					3192,3467,3469,	*40*,*01*,07,
					3472,3473,3481,	15,08,*09*,
					3504,3534,3840,	09,12,*07*,
					3841,3841,3852,	01, R,45,
					3855,3857,3864,	*06*,*08*,*24*,
					3878,3895,3895,	*34*,*33*,*08*,
					3895,3895,3897,	*18*,*26*,*07*,
					3897,3897,3897,	*08*,*01*,22,
					3900,3900,3900,	*03*,*06*,*14*,
					3900,3901,3901,	*02*,09,26,
					3901,3901,3903,	33,24,03,
					3903,3903,3903,	*12*,10,*09*,
					3905,3905,3905,	*04*,04,12,
					3905,3911,3911,	*02*,*21*,07,
					3911,3911,3913,	01,18,05,
					3913,3913,3913,	00,*06*,*07*,
					3914,3914,3914,	*17*,08,*06*,
					3914,3918,3918,	*20*,02,*03*,
					3918,3918,3921,	*04*,*11*,00,
					3921,4200,4202,	*39*,*09*,*11*,
					4202,4203,4203,	*04*,*09*,15,
					4207,4207,4211,	14,00,*09*,
					4211,4211,4211,	*07*,24,06,
					4223,4223,4227,	*31*,*23*,*17*,
					4227,4228,4228,	*09*,20,07,
					4232,4235,4239,	*01*,*34*,13,
					4239,4252,4252,	00,*03*,11,
					4252,4252,4256,	14,05,*13*,
					4256,4256,4256,	21,*03*,*02*,
					4265,4265,4265,	09,*05*,08,
					4265,4277,4277,	01,*25*,*04*,
					4277,4277,4278,	04,05,*16*,
					4278,4278,4278,	12,11,05,
					4280,4280,4280,	34,00,20,
					4280,4286,4286,	13,09,27,
					4286,4286,4287,	13,36,00,
					4287,4287,4287	*12*,07,05
17724	50.1	−32 27	6.7	6.77	2778,2783,3504,	03,19,03,
					3534,3895,3895,	*17*,*24*,*34*,
					3900,3900,3901,	12,*27*,15,
					3901,3903,3903,	15,07,03,
					3905,3905,3911,	*02*,*06*,13,
					3911,3913,3913,	06,00,*05*,
					3914,3914,3918,	*17*,*09*,00,
					3918,3921,3921,	*12*,*11*,*31*,
					4211,4211,4252,	15,*19*,*09*,
					4252,4256,4256,	T,23,23,
					4265,4265,4277,	36,22,*16*,
					4277,4278,4278,	06,06,13,
					4280,4280,4286,	05,23,*11*,
					4286,4287,4287	*07*,*07*,*02*
2829	50.2	+57 32	7.2	7.58	3488,3495	06,*05*
6083	50.2	− 5 27	8.0	8.10	4223,4223	05,*05*
4735	50.3	+32 20	7.5	7.60	3182,3186	10,*10*
5042	50.3	+25 24	6.8	6.49	3859,3860	11,*11*
6397	50.3	−18 23	7.5	7.70	3136,3139	04,*05*
1051	50.4	+74 19	7.2	*7.84*		. . ▲
2672	50.5	+58 51	7.4	7.37	3495,3550	04,*04*
3115	50.5	+56 53	7.5	6.05	3495,3550,3842	09,*03*,*05*
3739	50.5	+52 11	6.5	*6.77*		. ▲ .
5101	50.5	+ 7 40	7.0	6.74	2775,3113,3852	12,11,*24*
4214	50.6	+46 48	5.9	6.05	3468,3473,4203	00,*01*,00
4368	50.6	+45 48	6.7	6.81	3842,3859	*01*,01
6287	50.6	− 9 37	8.0	7.30	3870,3870,3871,	*09*,*09*,16,
					3871,3878,3878,	17,*07*,*25*,
					3900,3900,4202,	01,02,07,
					4202,4207,4207,	04,05,03,
					4223,4223	*07*,03
6485	50.6	−13 43	7.2	6.80	3136,3139,3852	19,00,*19*
6579	50.6	−14 31	7.5	7.22	3136,3139,3143,	17,*02*,13,
					3144	*30*
4322	50.7	+47 40	6.5	6.82	3473,3488,3842	06,*03*,*02*

23^{h}

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.	DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.						DM.	Phot.		
	m.	° ′						m.	° ′				
5074	50.8	+14 41	7.2	6.59	2775,3113,3852	14,08,*22*						3897,3900,3900,	26,*03*,19,
5896	50.9	+20 37	7.0	6.60	3859,3860	00,00						3901,3901,3903,	14,25,03,
4732	50.9	+ 2 59	8.5	8.51	3473,3475,3477,	*15*,*01*,*15*,						3903,3905,3905,	*39*,14,04,
					3840,3841,3842,	02,*01*,*32*,						3911,3911,3918,	12, T ,*10*,
					4223,4223,4227,	17,06,*24*,						3913,3914,3914,	*16*,11,*20*,
					4227,4228,4228,	*15*,18,27,						3918,3918	14,19
					4232,4232	17,10	15698	53.5	−38 47	7.5	7.77	3542,3544,3550	*03*,04,*02*
5053	51.0	+30 31	7.0	*7.51*		▲ . .	5996	53.6	− 4 7	5.2	*5.09*		*01*, . 01
6225	51.0	−22 33	7.0	7.36	2790,2793	01,00	3570	53.7	+52 50	7.5	7.74	3488,3550	01,*01*
1877	51.1	+64 26	7.5	8.16	3149,3176	18,*18*	5012	53.7	+31 48	6.2	*6.37*		. . ▲
4737	51.1	+32 55	7.0	7.00	3186,3469,4201	20,*08*,*13*	4381	53.8	+45 52	6.5	6.46	3842,3864	*08*,09
5300	51.2	+ 9 28	7.5	*7.37*		▲ . .	*3082*	53.9	+55 12	5.0	5.04	3472,3495,4203	24,*19*,*04*
3563	51.4	+58 9	7.5	7.78	3495,3550	*02*,02	5104	53.9	+38 34	7.0	7.35	3182,3186	05,*05*
16707	51.4	−25 18	6.3	6.33	2786,2790,3841	*05*,*14*,19	*1068*	54.2	+74 15	7.5	7.92	3149,3176	*03*,04
4999	51.6	+22 5	6.0	*6.53*		. . ▲	*3575*	54.2	+53 1	7.3	7.00	3488,3550,3842	*20*,09,10
743	51.7	+82 38	6.0	*6.56*		▲ . .	4297	54.2	+49 58	7.2	*7.37*		10,10,*20*
4909	51.7	+ 4 10	7.2	6.87	2775,3113,3852	09,*02*,*08*	5227	54.2	+ 6 19	4.4	*3.96*		. *08*,08
3055	51.8	+55 17	7.5	*7.01*		▲ . .	6684	54.2	−20 35	7.3	7.45	2425,2793,2802	07,*04*,*03*
4735	51.9	+ 2 27	8.5	7.28	3144,3145	05,*05*	*3127*	54.3	+57 7	7.4	7.28	3472,3555	06,*05*
4902	52.0	+42 6	6.0	*6.07*		. . ▲	19765	54.3	−30 3	5.8	5.79	3143,3149,3152,	00,15,08,
4714	52.0	+27 1	7.2	7.50	3178,3181	*10*,10						3178,3469,3472,	*06*,00,16,
4736	52.0	+ 2 31	8.2	7.68	3144,3145	*05*,05						3473,3840,3841,	*24*,*02*,03,
6500	52.0	−21 24	6.5	6.63	2790,2793,3841	08,*24*,16						3878,3913,3918,	15,*02*,07,
16494	52.0	−27 11	6.4	6.40	2790,2793,3841	*02*,*06*,07						3922,4203,4223,	12,*08*,*17*,
3076	52.1	+55 9	6.0	5.74	3495,4203,4207	04,*22*,17						4232,4235	06,*14*
2647	52.2	+60 28	6.8	*7.01*		▲ . .	*4747*	54.4	+33 11	5.8	5.88	3182,3559,4201	02,00,*01*
4831	52.3	+47 43	7.4	7.46	3488,3495	03,*02*	6071	54.4	− 2 24	7.2	7.50	3137,3139	*11*,10
15436	52.3	−37 16	7.1	7.42	2779,2783,3534	*01*,11,*11*	5741	54.4	− 3 24	7.3	7.23	3137,3139,3477	06,*03*,*03*
2573	52.5	+61 27	7.3	7.46	3149,3176	*02*,02	17761	54.4	−32 15	7.5	7.34	2783,2784,3841,	12,*02*,02,
2795	52.5	+59 28	6.7	6.88	3842,3864	*01*,01						3855	*10*
5176	52.5	+19 47	7.5	*8.00*		▲ . .	4208	54.5	+50 17	7.2	*7.17*		15,00,*14*
6088	52.5	− 5 30	8.5	8.95	4202,4202,4227,	*11*,*11*,36,	*5141*	54.6	+37 14	7.5	7.80	3182,3186	*20*,20
					4227,4228,4228	17,*13*,*16*	5412	54.6	+20 44	7.5	*7.55*		▲ . .
16780	52.5	−33 45	6.7	6.94	2783,2784,3504	11,01,*12*	6335	54.6	− 6 27	7.0	*6.77*		. . ▲
4865	52.7	+24 35	4.3	*4.84*		. 15,*15*	16732	54.6	−25 12	7.5	7.83	2790,3120,3122,	*04*,10,34,
5013	52.7	+10 55	7.0	*6.53*		. ▲ .						3129,3130,3841,	*26*,03,07,
15210	52.8	−39 31	7.2	7.17	2779,2783,3534	*05*,*16*,22						3855,3857,4202,	*01*,*16*,07,
4291	53.1	+49 53	6.7	6.87	3842,3864	*10*,10						4207,4223	*02*,*03*
5246	53.2	+19 9	7.4	7.45	2775,3113	*12*,12	*5018*	54.7	+11 8	7.3	7.26	2775,3113	*10*,09
6394	53.2	−16 25	6.2	6.33	3120,3144,4202	06,*13*,08	5017	54.7	+10 43	7.0	*6.65*		▲ . .
5039	53.3	+34 26	6.6	*6.71*		11, . *11*	*4514*	54.7	− 0 51	7.0	*7.13*		. . ▲
6588	53.4	−14 41	7.0	7.16	3120,3136	*04*,03	5108	54.9	+38 18	6.5	6.61	3182,3186,3864	*11*,19,*07*
17934	53.4	−24 44	7.5	7.80	2784,2790	*10*,09	4231	55.1	+46 23	7.0	7.25	3488,3495	*04*,04
4208	53.5	+50 46	9.0	9.05	3857,3857,3859,	19,*06*,*12*,	4912	55.1	+37 45	6.4	6.58	3182,3186,3492,	*08*,32,*19*,
					3859,3860,3860,	*23*,*16*,*11*,						3544,3559	06,*13*
					3864,3864,3866,	*24*,*17*,*07*,	5113	55.1	+ 7 27	7.5	7.84	3113,3116	*09*,10
					3866,3867,3867,	*08*,02,07,	*4515*	55.1	− 0 55	7.3	7.30	3137,3139	09,*10*
					3870,3870,3871,	*06*,*27*,*13*,	5056	55.2	+12 46	7.4	7.47	3113,3116	00,00
					3871,3873,3873,	15,*11*,13,	4727	55.3	+26 22	6.5	6.38	3178,3181,3864	12,*18*,06
					3879,3879,3897,	04,23,24,	6860	55.3	−17 15	7.3	7.46	3120,3136	01,*02*

DM.	R.A. 1900.	Dec. 1900.		Magn.		Julian Days.	Resid.
				DM.	Phot.		
	m.	°	′				
5071	55.4	+30	41	7.5	*8.31*		A . .
2685	55.5	+59	1	6.3	6.37	3472,3488,3842	14,*14*,*01*
2580	55.6	+61	37	7.2	7.05	3149,3176,3467,3472,3475	29,*27*,*15*,14,*03*
4538	55.7	+44	42	6.0	6.33	3488,4203,4207	*01*,13,*13*
4216	55.8	+51	7	8.8	8.59	4196,4196	*07*,07
1670	55.9	+66	17	7.0	7.21	3149,3176	13,*13*
1418	56.0	+69	1	7.5	7.81	3149,3176	03,*03*
18925	56.2	−29	17	6.9	7.28	2793,3136,3137,3542	*21*,15,03,01
2656	56.3	+60	17	6.8	*7.36*		A . .
4309	56.3	+49	25	6.5	6.23	3842,3864	07,*07*
1135	56.5	+73	3	6.5	6.52	3149,3176,3840,3842	07,04,*09*,00
1246	56.5	+71	41	6.9	7.51	3149,3176	*07*,07
2657	56.5	+60	40	6.0	*5.73*		. . A
4605	56.5	+44	7	6.6	6.96	3185,3475,3488,3842	*06*,*08*,11,02
4664	56.5	+27	53	7.0	*7.02*		. . A
4920	56.6	+41	49	6.5	6.17	3469,3473,3559	02,04,*06*
4844	56.6	+23	42	6.6	6.81	3178,3181,3864	*04*,16,*11*
6864	56.6	−17	5	7.5	7.96	3120,3136	01,*02*
1984	56.7	+65	45	7.0	*7.45*		A . .
1887	56.7	+64	54	7.5	*7.85*		A . .
5749	56.7	− 3	35	5.3	5.10	3852,4202,4207	*08*,15,*06*
6345	56.8	− 6	34	5.0	*4.73*		. *06*,06
15469	56.8	−37	47	6.9	7.16	2779,2783,3542	*01*,00,01
1985	56.9	+65	53	6.9	*7.30*		A . .
4734	56.9	+26	33	6.1	5.82	3178,4201,4203	*02*,*10*,11
5750	56.9	− 3	20	7.2	6.85	3137,3139,3852	24,*05*,*18*
15718	56.9	−38	28	6.9	7.13	2779,2783,3542	*11*,19,*09*
4225	57.1	+49	13	7.5	7.94	3475,3488	11,*11*
6603	57.1	−13	58	6.5	6.89	3120,3136,3852	03,00,*02*
2816	57.2	+60	9	7.5	*7.04*		A . .
19790	57.2	−30	16	5.2	4.86	3178,3473,3504,3504,3840,3918,3922,4202,4223,4232,4235	*33*,08,*01*,*09*,20,11,15,00,*01*,*01*,*05*
4314	57.3	+49	56	7.0	*7.37*		A . .
5164	57.3	+ 8	24	6.7	6.38	3113,3116,3852	07,06,*14*
4241	57.4	+46	51	7.2	7.58	3495,3559	*07*,08
4925	57.4	+15	43	7.0	*7.19*		A . .
5120	57.4	+ 7	50	8.5	8.00	3144,3145	06,*05*
5121	57.4	+ 7	56	6.3	*5.61*		. . A
1987	57.5	+65	33	6.3	5.78	3842,4202,4203	17,06,*22*
748	57.6	+82	25	7.0	7.13	3857,3857,3858,3858,3859,3859,3860,3860	*08*,03,07,*06*,13,*09*,*09*,11
799	57.6	+79	45	7.5	7.69	3149,3176	15,*15*
4817	57.6	+42	22	7.3	7.72	3185,3495	*02*,01
5159	57.6	+35	16	7.0	*7.32*		A . .
6532	57.7	−15	36	8.3	8.73	3864,3864,3864,3864,3864	*18*,00,15,09,*05*
6703	57.8	−20	37	5.8	*6.27*		10, . *10*
16047	57.9	−35	18	7.3	7.71	3542,3544,3550	04,*10*,05
4925	58.0	+42	11	6.8	6.72	3185,3495,3842	*22*,03,19
17960	58.0	−24	42	6.7	*6.56*		. 02,*03*
4819	58.1	+43	5	7.5	8.03	3185,3495	*03*,03
5034	58.1	+16	59	6.0	*6.71*		. 00,00
1136	58.3	+72	36	7.0	7.52	3149,3176	*03*,04
2356	58.3	+63	5	6.5	6.26	3176,3467,3472,3475	*08*,*05*,01,12
5197	58.3	+20	7	7.5	*7.60*		A . .
16150	58.3	−36	49	6.8	6.93	2779,2783,3542	*05*,*13*,19
5090	58.4	+11	46	7.0	7.21	2775,3144	05,*05*
18945	58.5	−28	59	8.4	7.99	2784,3841,3855	*01*,14,*13*
18946	58.5	−28	57	8.6	8.00	2790,2793	00,00
19578	58.5	−31	39	7.3	7.66	2779,2783,3542	*08*,06,03
4373	58.6	+47	53	6.4	6.76	3559,3842,4207	*05*,04,00
6417	58.6	−17	54	4.7	*4.51*		. . A
1993	58.7	+66	9	6.4	6.68	3840,3842	*18*,17
5201	58.8	+13	50	7.0	7.26	2775,3144	17,*18*
18947	58.8	−28	57	8.1	7.62	2784,2790,3116	16,*12*,*03*
5092	58.9	+11	35	7.0	7.21	2775,3144	15,*15*
4321	59.0	+49	26	7.3	8.02	3475,3488	*01*,01
4322	59.0	+49	19	7.0	7.44	3475,3488	05,*04*
1893	59.1	+64	36	6.9	*7.80*		A . .
2586	59.1	+61	44	5.6	5.93	3176,3840,4202	*05*,05,01
19809	59.1	−30	42	6.9	6.99	2783,2784,3542	*13*,01,11
3280	59.2	+58	43	7.2	7.55	3559,3562	*11*,11
6868	59.2	−17	5	6.2	*5.78*		. . A
18950	59.2	−29	50	6.3	6.34	2784,2790,3841	*19*,12,06
19813	59.3	−29	57	7.4	7.46	2784,2790,3542	26,*23*,*03*
6194	59.4	−11	4	5.5	5.30	3136,4202,4207	12,*02*,*10*
1679	59.5	+66	36	6.0	5.86	3467,3468,3469,3472,3492,3501,3502,3514,3531,3584,3555,3559,3562,3840,3841,3859,3860,3873,3879,3895,3897,3900,3901,3903,3913,3918,3920,3925,4202,4203,4223,4227,4232,4233,4236,4256,4270,4275,4275,4277,4284,4286	*02*,02,*05*,*08*,06,15,*12*,17,*18*,*15*,*13*,14,07,16,18,09,03,*01*,04,06,R,*12*,*09*,07,01,*11*,*37*,15,01,*18*,18,01,*21*,13,*21*,02,07,10,12,*18*,05,*04*
4933	59.5	+41	33	6.0	6.14	3495,4203,4207	01,*06*,04
4827	59.5	+33	42	7.0	7.15	3182,3186	*15*,15

23^h

DM.	R.A. 1900.	Dec. 1900.	Magn.		Julian Days.	Resid.
			DM.	Phot.		
	m.	° ′				
4828	59.6	+34 7	6.3	6.23	3182,3186,3492	*13*,17,*05*
5094	59.6	+14 24	7.8	7.23	3144,3145	*05*,05
1894	59.7	+64 53	7.2	*7.50*		A . .
2855	59.7	+57 58	6.5	6.51	3469,3495,4203	*15*,06,08
4950	59.7	+22 43	7.5	7.87	3178,3181	00,00
5068	59.8	+26 6	6.2	6.39	3178,4201,4203	*09*,08,01
17805	59.8	−32 34	7.5	7.90	3542,3544,3550	*02*,*02*,08
2667	59.9	+60 46	6.0	*5.78*		. . A
4549	59.9	+45 7	7.2	*7.62*		A . .
4744	59.9	+27 7	6.8	6.57	3178,3181,3864	03,03,*06*
16162	59.9	−36 35	7.5	7.61	3542,3544,3550	*05*,*06*,11

REMARKS.

h. *m.*

0 0.2*c*. C. DM. −22° 16566, magn. 7.8.

0 3.8*b*. On J. D. 3903, residual *51* rejected. "Clouds probably off Pole."

0 3.8*d*. C. DM. −22° 13, magn. 7.4.

0 4.3*c*. S. M. P. 14, magn. 3.85. C. DM. −46° 18, magn. 3.8. On J. D. 4277, residual 193 rejected. "Difficult, uncertain."

0 5.7*a*. C. DM. −22° 25, magn. 7.6.

0 6.4*b*. On J. D. 4228, residuals 52 and 51 rejected. The stars, +2° 4732, +2° 4732, −5° 6088, −5° 6088, −3° 14, −3° 14, +8° 19, −14° 35, −14° 35, V Cephei, V Cephei, −32° 17723, and −32° 17723, were observed in succession and gave the residuals, 20, 29, 36, 17, 49, 48, 45, 50, 55, R, R, 19, and 06. The observations of −3° 14, −3° 14, +8° 19, −14° 35, and −14° 35 were accordingly rejected and give the residuals, 52, 51, 59, 53, and 58, respectively.

0 8.7*c*. On J. D. 3122, residual 23 rejected. "Stopped by thin cirrus clouds over Pole."

0 9.8*b*. On J. D. 4228, residual 59 rejected. See 0^h 6^m.4*b*.

0 9.9*e*. On J. D. 2774, residual *113* rejected for discordance. On J. D. 2783, residual *114* rejected for discordance.

0 11.5*e*. On J. D. 4228, residuals 53 and 58 rejected. See 0^h 6^m.4*b*.

0 12.5*a*. On J. D. 3905, residual 25 rejected. Uncertain which star was observed.

0 12.8*b*. On J. D. 3905, residual 105 rejected. Uncertain which star was observed.

0 14.5*d*. C. DM. −22° 84, magn. 7.4.

0 19.1*a*. On J. D. 4207, residual *74* rejected.

0 20.7*c*. C. DM. −22° 124, magn. 7.3.

0 21.3*a*. C. DM. −22° 128, magn. 7.4.

0 21.3*b*. S. M. P. 59, magn. 2.45. C. DM. −42° 116, magn. 2.4.

0 21.3*c*. S. M. P. 60, magn. 3.95. C. DM. −44° 101, magn. 3.9. On J. D. 3550, residual 159 rejected for discordance.

0 22.9*c*. On J. D. 3864, residual 105 rejected. Haze.

0 23.0*b*. Suspected variable. On J. D. 3191 residual 96 rejected. Clouds. On J. D. 3192, the next object but one observed was the adjacent star, −12° 121, which shows no corresponding diminution in light.

0 25.8*a*. On J. D. 4211, readings discordant.

0 26.2*b*. J. D. 4228. See 0^h 31^m.9*b*.

0 28.1*c*. On J. D. 3137, residual *50* rejected. The next star observed was −4° 62, which gave the residual 00 and was rejected. The note was made "Cloud over Pole, which may have affected the last two or three stars." The star preceeding −4° 59, was −2° 69, residual *19* retained.

0 28.6*b*. Combined light of A. G. C. 472 and 473, magn. 7½ and 7.

0 30.1*b*. On J. D. 3137, residual 00 rejected. See 0^h 28^m.1*c*. On J D. 4227, residual 275 rejected for discordance. Perhaps the object observed was −4° 59, magn. 7.5. J D. 4228. See 0^h 31.9*b*.

0 30.4*a*. J. D. 4228. See 0^h 31^m.9*b*.

0 30.6*a*. On J. D. 3191, residual 60 rejected. "Clouds, rising from south, which now reach the zenith." Three minutes later, "stopped by clouds which probably affected preceeding stars."

0 31.3*b*. J. D. 4228. See 0^h 31^m.9*b*.

0 31.9*b*. J. D. 4228. The stars, +23° 84, +34° 86, +20° 85, +20° 87, +39° 158, +39° 167, +35° 145, +23° 106, +26° 131 +22° 146, −4° 62, −1° 68, −12° 121, −12° 121, −39° 175, −39° 175, −39° 181, −39° 181, −14° 124, +14° 111, +16° 76, +7° 153, +0° 174, −8° 167, +4° 172, +14° 163, +4° 175, −10° 238, +4° 190, +52° 92, +43° 113, +48° 192, +54° 148, +54° 148, +57° 150, +44° 176, +63° 99, +60° 124, +42° 196, +42° 196, +58° 138, +59° 146, +43° 193, +42° 216, +60° 158, +54° 223, +71° 57, +71° 57, +60° 186, +78° 34, +63° 149, +75° 59, +77° 49, +67° 123, +69° 102, +65° 175, −9° 227, −3° 161, +15° 177, +6° 181, −18° 200, −18° 200, −1° 171, +10° 168, −7° 228, +6° 211, −4° 207, +18° 187, +5° 194, +0° 256, +4° 293, +19° 279, −9° 324, −9° 324, −4° 260, +8° 273, +16° 203, +10° 252, −11° 359, +10° 252, +18° 243, −9° 380, and −4° 324,

h. m.

were observed in succession. "Southern mirror entirely covered with dew which probably affected preceding stars." The residuals of the stars named above were, *04*, 07, 06, 18, 43, 48, 61, 47, 56, 30, A, A, 25, 23, 77, 81, 92, 101, 66, 47, 14, 65, 49, 44, 53, 54, 84, 82, 64, 44, 46, 17, 35, 33, 32, 51, 45, 31, 42, 32, 62, 32, 41, 33, 18, 24, 47, 49, 24, 11, 16, *20*, 38, 28, 37, 01, 38, 13, 29, 22, 41, 26, 18, 20, 56, 51, 52, 72, 72, 61, 104, 109, 125, 132, 132, 132, 150, 108, 134, 118, 167, 179, and 171. Rejecting these observations, the residuals become, *06*, 10, 09, 28, 54, 72, 92, 71, 84, 45, A, A, 34, 32, 86, 90, 103, 112, 75, 70, 21, 97, 73, 66, 80, 80, 126, 123, 96, 52, 52, 25, 53, 49, 48, 56, 65, 46, 39, 29, 93, 48, 47, 36, 26, 33, 54, 56, 36, 16, 24, *30*, 58, 41, 56, 52, 57, 16, 44, 32, 45, 30, 27, 27, 75, 76, 59, 136, 96, 74, 139, 146, 146, 153, 176, 176, 200, 183, 201, 193, 209, 231, and 228. A graphical correction was next applied which rendered these observations accordant. They were therefore retained and give the residuals, *04*, 04, *02*, *01*, 05, 05, 18, *04*, 04, *22*, A, A, *42*, *45*, 02, 06, 17, 26, *14*, *08*, *40*, 17, *05*, *10*, 00, 02, 35, 35, 20, *08*, *07*, *21*, 00, *01*, *01*, 06, 13, *02*, *10*, *19*, 30, 00, *01*, *11*, *14*, *12*, 05, 07, *08*, *21*, *15*, *52*, 07, *03*, 07, 04, 09, 08, 03, *03*, 11, *04*, *06*, *14*, 14, 07, *16*, 31, *03*, *31*, 13, 10, 00, *03*, 08, 01, 12, *04*, 02, *11*, *03*, 06, and *02*, respectively.

0 32.0*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 33.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 34.2*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 34.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 34.8*a*. This star is *α* Cassiopeiæ.
0 36.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 36.6*c*. S. M. P. 106, magn. 4.61. C. DM. −46° 180, magn. 4.7.
0 37.2*c*. Suspected variable. On J. D. 3865, residual 118 rejected for discordance. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 37.9*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 39.0*a*. On J. 4277, residual 26 rejected. "Clouds."
0 39.1*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 39.4*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 39.5*a*. On J. D. 3143, residual *68* rejected. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 39.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 39.8*a*. C. DM. −22° 239, magn. 5.3.
0 40.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$
0 41.3*c*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 42.0*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 42.5*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 43.0*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 43.0*c*. C. DM. −22° 261, magn. 5.8.
0 43.7*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 44.5*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 44.7*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 44.7*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 47.1*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 47.3*a*. On J. D. 3169, residual *141* rejected. Probably the object observed was +48° 288, magn. 7.1.

h. m.

0 47.6*a*. On J. D. 3186, residual *27* rejected. Uncertain which star was observed.
0 48.6*b*. On J. D. 3186, residual *108* rejected. Perhaps +42° 195, magn. 7.3, was observed. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 49.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$
0 50.6*c*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 50.7*b*. On J. D. 3162, observations stopped, from $23^{h}\,22^{m}.6$ to $0^{h}\,56^{m}.2$, "by thin haze which appears now to have completely passed away." The next star, +68° 77, does not appear to have been affected. On J. D. 4277, residual *14* rejected. "Clouds."
0 50.7*c*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 50.8*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 51.6*b*. On J. D. 3155, residual 53 rejected. "Identification uncertain."
0 54.4*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 55.0*c*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 56.7*a*. On J. D. 3130, residual 122 rejected. Fog. On J. D. 3866, residual 79 rejected for discordance.
0 57.8*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 58.1*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 58.7*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 59.7*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
0 59.8*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 0.0*b*. On J. D. 3155, residual 93 rejected. Perhaps +61° 196, magn. 7.8, was observed.
1 0.7*d*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 1.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 1.6*f*. S. M. P. 187, magn. 3.39. C. DM. −47° 324, magn. 3.3.
1 2.3*c*. On J. D. 4227, residual *115* rejected for discordance. Probably −30° 360, magn. 7.7, was observed.
1 2.7*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 3.2*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 3.2*c*. S. M. P. 190, magn. 5.15. C. DM. −42° 391, magn. 5.4.
1 3.5*a*. On J. D. 3913, residual 87 rejected. Uncertain what star was observed.
1 3.6*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 4.0*c*. On J. D. 3913, residual 62 rejected. Uncertain what star was observed.
1 5.0*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 5.1*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 5.3*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 6.5*a*. On J. D. 3144. "Stopped by clouds near Pole and also near Equator." Observation probably affected by clouds which did not affect preceding star, −5° 202, since it gave the residual *07*.
1 6.7*a*. On J. D. 3857, residual 145 rejected for discordance. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 6.8*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 8.2*b*. On J. D. 3131, residual 92 rejected. Clouds.
1 8.2*c*. On J. D. 3865, residual 159 rejected for discordance.
1 8.8*a*. J. D. 4228. See $0^{h}\,31^{m}.9b$.
1 9.5*b*. J. D. 4228. See $0^{h}\,31^{m}.9b$.

h. *m.*

1 10.1*c*. On J. D. 3871, residual *94* rejected. Uncertain which star was observed. J. D. 4228. See 0^h 31^m.9*b*.

1 10.4*a*. C. DM. −22° 437, magn. 7.2.

1 10.5*d*. C. DM. −22° 438, magn. 7.5.

1 10.6*c*. S. M. P. 216, magn. 4.92. C. DM. −46° 346, magn. 5.3.

1 12.4*a*. On J. D. 3176, residual *246* rejected for discordance. "Clouds rising in southwest." Perhaps −31° 562 was the object observed.

1 13.8*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 14.7*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 15.0*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 16.1*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 17.7*b*. J. D. 4228. See 0^h 31^m.9*b*.

1 18.9*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 19.4*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 20.2*a*. S. M. P. 243, magn. 5.31. C. DM. −42° 493, magn. 5.8. On J. D. 3871, residual 62 rejected. The stars, −28° 475, −42° 493, −43° 449, −30° 506, −37° 589, −37° 620, 32° 666, and −37° 650, were observed in succession and gave the residuals, *10*, 57, *67*, *05*, 171, 167, *11* and 163. After observing the last star the remark was made "cloud rising in west. Cloud in south which may have affected preceding stars." This was evidently the case and, accordingly, all but the first of the stars named above have been rejected.

1 20.8*b*. J. D. 4228. See 0^h 31^m.9*b*. On J. D. 4232, residual *04* rejected. Uncertain which star was observed.

1 20.9*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 22.6*c*. C. DM. −22° 503, magn. 6.6.

1 23.2*b*. C. DM. −22° 507, magn. 6.7.

1 23.8*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 23.9*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 24.0*a*. S. M. P. 257, magn. 3.32. C. DM. −43° 449, magn. 3.4. On J. D. 3871, residual *73* rejected. See 1^h 20^m.2*a*.

1 24.8*a*. C. DM. −22° 516, magn. 5.3.

1 24.9*c*. J. D. 4228. See 0^h 31^m.9*b*.

1 27.1*d*. On J. D. 3871, residual *06* rejected. See 1^h 20^m.2*a*.

1 28.4*a*. On J. D. 3871, residual 181 rejected. See 1^h 20^m.2*a*.

1 29.7*a*. On J. D. 3160, residual 38 rejected. Perhaps +58° 270, magn. 7.3, was observed.

1 29.7*c*. J. D. 4228. See 0^h 31^m.9*b*. On J. D. 3932, original residual 64, changed to 70 by correction applied to observation on J. D. 4228. Retained.

1 30.2*a*. Suspected variable. On J. D. 3169, residual 77 rejected for discordance.

1 30.2*b*. Markwick 38. Approximate position for 1900. This star is not in the Durchmusterung.

1 30.9*b*. On J. D. 3567, residual 91 rejected. The last five stars observed in this series were +38° 316, +35° 314, +27° 261, +40° 332, and +40° 344. It was then found that the objective of telescope B was covered with dew. The residuals were 09, *05*, 47, 73, and 145. The last three observations were accordingly rejected and give the residuals 52, 91, and 163.

h. *m.*

1 33.6*a*. On J. D. 3567, residual 52 rejected. See 1^h 30^m.9*b*.

1 34.0*a*. On J. D. 3567, residual 163 rejected. See 1^h 30^m.9*b*.

1 34.0*b*. On J. D. 3871, residual 181 rejected. See 1^h 20^m.2*a*.

1 36.2*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 36.9*a*. No observations of this star have been obtained with the meridian photometer. In C. DM. Catalogue magn. 6.0, probably a mistake for 9.0. Ninth magnitude in C. DM. Atlas, and on photographs.

1 37.0*a*. On J. D. 3168, residual 20 rejected. Uncertain which star was observed.

1 37.1*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 37.5*b*. J. D. 4228. See 0^h 31^m.9*b*.

1 37.6*a*. On J. D. 3871, residual *12* rejected. See 1^h 20^m.2*a*.

1 37.6*b*. On J. D. 3871, residual 186 rejected. See 1^h 20^m.2*a*.

1 37.7*c*. J. D. 4228. See 0^h 31^m.9*b*.

1 40.1*b*. J. D. 4228. See 0^h 31^m.9*b*.

1 42.8*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 45.5*b*. J. D. 4228. See 0^h 31^m.9*b*.

1 46.5*c*. J D. 4228. See 0^h 31^m.9*b*.

1 48.0*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 49.6*c*. S. M. P. 334, magn. 4.11. C. DM. −46° 552, magn. 4.8.

1 50.2*b*. S. M. P. 337, magn. 4.95. C. DM. −43° 583, magn. 5.5.

1 54.4*b*. This star is not in the Durchmusterung.

1 55.5*a*. J. D. 4228. See 0^h 31^m.9*b*.

1 55.5*b*. S. M. P. 355, magn. 5.35. C. DM. −42° 684, magn. 5.9.

1 58.0*e*. C. DM. −22° 684, magn. 7.0.

1 58.7*c*. J. D. 4228. See 0^h 31^m.9*b*.

2 5.2*a*. S. M. P. 406, magn. 5.78. C. DM. −44° 632, magn. 6.1.

2 8.5*b*. On J. D. 3867, residual 129 rejected for discordance. On J. D. 3931, residual *14* rejected. Uncertain which star was observed.

2 10.6*a*. On J. D. 3185, cloud suspected by observer, which does not seem to have affected preceding or following stars.

2 11.0*a*. On J. D. 3589, residual 115 rejected. Uncertain what star was observed.

2 12.2*a*. On J. D. 3589, residual *12* rejected. Uncertain what star was observed.

2 15.3*b*. On J. D. 3901, residual *85* rejected for discordance. Clouds near Pole which soon after stopped observations.

2 20.8*d*. C. DM. −22° 811, magn. 7.5.

2 23.8*f*. On J. D. 3188, residual 77 rejected. Probably clouds. On J. D. 3931, residual 142 rejected. Uncertain which star was observed.

2 24.3*b*. On J. D. 3188, residual 132 rejected. Probably clouds.

2 24.4*a*. On J. D. 3913, residual *152* rejected. Uncertain which star was observed.

h. m.

2 28.9*b*. On J. D. 3188, residual 107 rejected. Probably clouds.

2 30.0*a*. C. DM. −22° 874, magn. 7.0.

2 31.3*a*. On J. D. 3182, the observer regarded the measurement as relating to the bright star only.

2 31.9*b*. On J. D. 4308, residual *77* rejected for discordance.

2 33.2*a*. On J. D. 4256, residual 135 rejected. Uncertain what star was observed.

2 36.0*b*. S. M. P. 509, magn. 4.72. C. DM. −43° 814, magn. 5.0.

2 40.5*d*. C. DM. −22° 932, magn. 7.0.

2 41.9*b*. C. DM. −22° 940, magn. 7.5.

2 42.2*c*. C. DM. −22° 943, magn. 6.7.

2 45.9*c*. On J. D. 3886, residual *109* rejected. Uncertain which star was observed. On J. D. 3925, residual *87* rejected for discordance.

2 48.8*c*. C. DM. −22° 982, magn. 6.9.

2 49.1*c*. C. DM. −22° 984, magn. 6.3.

2 54.5*b*. Combined light of A. G. C. 3223 and 3224, magn. 3 and $5\frac{1}{4}$.

3 8.9*c*. S. M. P. 631, magn. 5.87. C. DM. −44° 1025, magn. 6.2. On J. D. 3901, residual *108* rejected for discordance. The next star observed, −36° 1208, also gives a large negative residual. See $3^{h}\,9^{m}.1b$.

3 9.1*b*. On J. D. 3901, residual *61* rejected. See $3^{h}\,8^{m}.9c$.

3 13.9*a*. C. DM. −22° 1146, magn. 5.3.

3 15.1*e*. C. DM. −22° 1154, magn. 3.4.

3 15.9*b*. S. M. P. 657, magn. 4.27. C. DM. −43° 1028, magn. 4.4. On J. D. 3895, residual 152 rejected for discordance. Probably cloud. Individual readings give the magnitudes, 6.47, 6.10, 5.34, and 5.20.

3 17.8*b*. No observations of this star have been obtained with the meridian photometer.

3 24.5*a*. On J. D. 3934, residual 34 rejected. Clouds.

3 25.4*d*. C. DM. −22° 1214, magn. 7.0.

3 26.5*c*. S. M. P. 691, magn. 5.87. C. DM. −43° 1085, magn. 6.1.

3 27.6*b*. On J. D. 3166, residual 191 rejected for discordance. On J. D. 3542, reading of declination circle recorded 344° 10′, assumed to be 334° 10′.

3 28.6*b*. On J. D. 2846, residual *91* rejected for discordance. "One magnitude fainter than A. G. C. 3891." The position corresponds more nearly with that of −16° 658, magn. 9.2. On J. D. 3192, residual *214* rejected for discordance.

3 29.3*a*. On J. D. 2831, residual 81 rejected. Uncertain what star was observed.

3 29.4*c*. C. DM. −22° 1238, magn. 4.5.

3 33.9*b*. This star is also −2° 681, magn. 7.7.

3 37.7*b*. On J. D. 3589, residual *22* rejected. Uncertain which star was observed.

3 39.1*c*. On J. D. 3895, residual 81 rejected for discordance.

3 40.4*a*. On J. D. 3186, residual 70 rejected for discordance. On J. D. 3895, residual *87* rejected. The stars, +35° 796, +32° 714, +33° 776, +33° 776, +31° 700, and +65° 369, were observed in succession, and gave the residuals, 14, 02, *64*, *64*, *60*, and *86*. Clouds were suspected during the first observation of +33° 776, but not seen after the second observation. They were also suspected after +65° 369. Soon after "Stopped by clouds suddenly covering the entire sky." The observations of +33° 776, +33° 776, +31° 700, and +65° 369 were evidently affected by clouds over Pole, and have accordingly been rejected. The residuals then become, *73*, *73*, *76*, and *87*, respectively.

3 44.3*a*. The magnitude 6.35 assigned to this star in Vol. XXIV, Table IV, probably relates to +25° 641, magn. 6.6, and has been so assumed.

3 44.9*c*. Combined light of A. G. C. 4241 and 4242, magn. $5\frac{1}{2}$ and $4\frac{3}{4}$.

3 47.5*b*. On J. D. 3185, perhaps −5° 771, magn. 8.9, was observed.

3 48.5*a*. C. DM. −22° 1366, magn. 6.9.

3 49.1*a*. This star is variable according to Müller and Kempf. See Astronomical Journal, Vol. XIX, p. 16, and Vol. XX, p. 45.

3 51.0*a*. J. D. 3604. Recorded +36° 793, which follows $0^{m}.3$, north 8′, and is much fainter. The magnitude indicates that +36° 792 was the object observed.

3 56.9*a*. C. DM. −22° 1424, magn. 7.4.

3 58.5*b*. C. DM. −22° 1440, magn. 7.3.

3 59.2*a*. Suspected variable. On J. D. 3895, residuals *73* and *73* rejected. See $3^{h}\,40^{m}.4a$. On J. D. 4282, "much trouble from passing clouds and haze."

3 59.2*b*. On J. D. 3895, residual *76* rejected. See $3^{h}.\,40^{m}.4a$.

4 2.6*c*. C. DM. −22° 1477, magn. 7.0.

4 2.9*c*. A comparison with $4^{h}\,3^{m}.7a$, and $4^{h}\,4^{m}.3a$, showed that the position of this star in the Durchmusterung is 3′ south of its true position.

4 7.4*d*: S. M. P. 850, magn. 4.78. C. DM. −42° 1400, magn. 5.3.

4 10.1*d*. In Vol. XLIV, combined with +5° 614. See $4^{h}\,10^{m}.2.a$.

4 10.2*a*. See $4^{h}\,10^{m}.1d$.

4 10.7*c*. S. M. P. 858, magn. 3.79. C. D.M. −42° 1425, magn. 3.8. On J. D. 3213, residual 303 rejected for discordance.

4 11.6*a*. C. DM. −22° 1545, magn. 6.7.

4 11.9*d*. On J. D. 3610, residual 126 rejected for discordance. Perhaps +31° 758, magn. 8.5, which follows 2^{m}, south 7′, was observed. The positions recorded render this probable.

4 16.1*c*. S. M. P. 878, magn. 5.05. C. DM. −44° 1503, magn. 5.8.

4 17.4*b*. C. DM. −22° 1587, magn. 7.5.

4 20.0*a*. On J. D. 2859, residual *45* rejected. "Clouds."

4 22.2*b*. A. G. C. 4974, magn. 6.6. C. DM. −44° 1546, magn. 6.6. This star is not in the S. M. P.

4 26.0*a*. On J. D. 2865, residual 88 rejected for discordance.

4 27.8*c*. S. M. P. 925, magn. 5.28. C. DM. −45° 1567, magn. 5.0. On J. D. 3932, residual 67 retained, owing to low altitude of star.

h. *m.*

4.33.0*a*. C. DM. −22° 1721, magn. 7.6.

4 37.3*f*. S. M. P. 964, magn. 4.55. C. DM. −42° 1587, magn. 4.6.

4 44.7*a* On J. D. 3547, residual *109* rejected. Clouds. "Stopped by cloud over Pole."

4 47.3*a*. On J. D. 3196, residual 44 rejected. Clouds.

4 53.8*b*. On J. D. 3575, residual 82 rejected for discordance. On J. D. 3614, "Cloud over Pole," which apparently did not affect this observation.

4 53.9*a*. C. DM. −22° 1916, magn. 7.5.

4 56.8*a*. On J. D. 3615, residual *31* rejected. Uncertain which star was observed.

4 58.4*a*. The position of this star in Vol. XLIV is erroneously given as R. A. $4^h 58^m.3$, Dec. +27° 35′.

4 58.5*a*. C. DM. −22° 1960, magn. 6.1.

4 58.9*a*. In Durchmusterung, magn. 5.9 should be 9.5. See Bonn Beob. VI, 378.

5 0.5*c*. On J. D. 2862, perhaps cloud over λ. Preceding residuals, *08* and *21*; following residuals, *59*, and *33*.

5 0.8*a*. On J. D. 3956, residual 278 rejected. Uncertain which star was observed.

5 1.0*b*. Suspected variable. On J. D. 3975, second observation, residual *82* rejected for discordance. First observation on this date, residual *65* confirms this value.

5 1.2*a*. C. DM. −22° 1997, magn. 3.1.

5 5.5*a*. C. DM. −22° 2039, magn. 7.5.

5 6.3*b*. On J. D. 2871, residual *58* rejected. Fourth reading discordant. Assuming it to be 246.8 instead of 266.8, the residual becomes *18*.

5 11.0*a*. On J. D. 3249, residual *01* rejected. "Stopped by clouds over Pole."

5 12.5*a*. On J. D. 2862, residual *47* rejected. The stars, −27° 2161, −29° 2143, −25° 2347, −25° 2361, −25° 2370, and −24° 3023, were observed in succession and gave the residuals, *03*, *22*, *34*, *18*, *35*, and 07. "Stopped by haze which must have affected preceding stars." The observations of −25° 2347, −25° 2361, −25° 2370, and −24° 3023 have accordingly been rejected and give the residuals, *47*, *27*, *52*, and 11, respectively.

5 13.3*a*. On J. D. 3931, residual *24* rejected. Probably affected by clouds.

5 13.9*b*. On J. D. 4275, residual 124 rejected. Clouds. The southern stars, −36° 2127, −35° 2214, −37° 2220, −35° 2348, −38° 2085, −34° 2375, −33° 2414, −32° 2479, and −34° 2401, were observed in succession and gave the residuals, *10*, 118, *17*, 11, 10, 139, 74, 71, and 82, respectively. The stars, −35° 2214, −34° 2375, −33° 2414, −32° 2479, and −34° 2401, are contained between declinations −32° 45′ and 35° 0′, inclusive, and were evidently affected by a band of cloud. The observations have accordingly been rejected and give the residuals, 124, 157, 86, 85, and 98, respectively. The other stars are further south and were apparently below the cloud.

5 14.2*a*. On J. D. 2862, residual *27* rejected. See $5^h 12^m.5a$.

5 15.4*d*. On J. D. 2862, residual *52* rejected. See $5^h 12^m.5a$.

5 17.7*a*. Combined light of A. G. C. 6177 and 6178, magn. $5\frac{3}{4}$ and 7. On J. D. 2862, residual 11 rejected. See $5^h 12^m.5a$.

5 19.5*b*. C. DM. −22° 2195, magn. 7.5.

5 20.7*a*. J. D. 3211. The object observed was recorded +62° 762, but position and magnitude indicate that +62° 759 was observed. On J. D. 3249, residual *21* rejected. Clouds.

5 24.2*c*. C. DM. −22° 2251, magn. 7.0.

5 25.4*d*. C. DM. −22° 2263, magn. 8.2.

5 26.9*b*. This star is δ Orionis.

5 31.6*b*. On J. D. 4275, residual 86 rejected. See $5^h 13^m.9b$.

5 35.0*b*. This star could not be measured on account of the proximity of $5^h 35^m.0a$.

5 35.5*b*. On J. D. 4291, residual 88 rejected for discordance.

5 36.0*d*. On J. D. 4275, residual 157 rejected. See $5^h 13^m.9b$.

5 36.1*c*. On J. D. 4275, residual 85 rejected. See $5^h 13^m.9b$.

5 38.0*b*. C. DM. −22° 2400, magn. 6.4.

5 38.7*b*. On J. D. 4275, residual 98 rejected. See $5^h 13^m.9b$.

5 40.3*a*. C. DM. −22° 2437, magn. 7.0.

5 40.3*b*. C. DM. −22° 2438, magn. 3.6.

5 42.4*b*. J. D. 3997. The object observed was recorded +12° 896, but position and magnitude indicate that +12° 902 was observed.

5 43.0*d*. Suspected variable.

5 44.9*b*. On J. D. 3937, residual 42 rejected. Uncertain which star was observed.

5 45.3*a*. On J. D. 3937, residual 62 rejected. Uncertain which star was observed.

5 46.5*e*. On J. D. 3195, residual 75 rejected for discordance.

5 47.1*a*. Suspected variable. On J. D. 3182, residual 108 rejected for discordance.

5 47.2*a*. C. DM. −22° 2534, magn. 6.5.

5 49.8*b*. This star is α Orionis.

5 52.0*c*. C. DM. −22° 2593, magn. 6.4.

5 54.0*c*. On J. D. 4277, residual 75 rejected for discordance. Clouds?

5 55.6*a*. On J. D. 3598, residual 109 rejected for discordance.

5 56.1*c*. S. M. P. 1329, magn. 4.00. C. DM. −42° 2266, magn. 4.0.

5 57.2*d*. The magnitude of this star in the A. G. C. is 7, and depends upon a single estimate, $6\frac{3}{4}$, in 1876. This magnitude should apparently be $8\frac{3}{4}$, as in Z. C. 5^h 2177 the magnitude is 9, in C. DM. −27° 2670, it is 8.5, and Oeltzen's Argelander 4551 and 4552 have the magnitudes 8 and 8. It is not in the U. A.

5 57.6*a*. Suspected variable. On J. D. 3241, residual 348 rejected for discordance. No explanation has been found for this large residual. The star was estimated faint, 7.8, and the companion 4.0, precedes $0^m.5$, north

$h.$ $m.$

25′, was recorded. If this companion was +20° 1233, magn. 5.1, which follows $0^m.4$, north 27′, it would indicate that a star about one minute preceding +19° 1186 was observed. No such star appears, however, in the Durchmusterung brighter than magn. 9.5. On J. D. 4349, residuals 48, and 104 rejected. Dew.

5 57.7*b*. Suspected variable. On J. D. 3216, residual *52* retained.

5 58.7*a*. J. D. 2891. In the first observation the A. G. C. number 7128, (−39° 2312) was recorded, but the collimation shows that probably A. G. C. 7186, (−38° 2372) was observed, and it has been so assumed.

5 59.7*d*. J. D. 2891. In the first observation the A. G. C. number, 7160, (−37° 2546) was recorded, but the collimation shows that probably A. G. C. 7213, (−36° 2609) was observed, and it has been so assumed.

6 1.6*a*. On J. D. 3969, the A. G. C. number 7261, (−3° 1297) was recorded, but it has been assumed that an error of 1° in declination was made, and that A. G. C. 7251, (−4° 1362) was observed.

6 1.6*c*. S. M. P. 1361, magn. 6.42. C. DM. −45° 2300, magn. 5.8.

6 1.8*b*. S. M. P. 1363 and 1364. Combined light measured, magn. 5.82. C. DM. −45° 2302, magn. 6.5.

6 1.9*c*. On J. D. 4277, first observation, residual 160 rejected. Uncertain which star was observed. On J. D. 4277, second observation, residual 280 rejected for discordance. Clouds?

6 4.8*a*. C. DM. −22° 2793, magn. 5.9.

6 4.8*b*. S. M. P. 1382, magn. 5.53. C. DM. −42° 2351, magn. 6.6.

6 5.1*b*. On J. D. 3236, residnal *79* rejected. Uncertain what star was observed.

6 5.6*a*. C. DM. −22° 2806, magn. 7.1.

6 7.8*a*. On J. D. 4349, residual 47, rejected. Dew.

6 8.7*a*. On J. D. 4349, residual 97 rejected. Dew.

6 12.8*c*. C. DM. −22° 2917, magn. 6.6.

6 12.9*d*. C. DM. −22° 2918, magn. 7.5.

6 15.5*a*. C. DM. −22° 2955, magn. 6.9.

6 16.1*a*. Suspected variable. On J. D. 4349, residuals 95 and 80 rejected. Some of the preceding and following observations were affected by dew. See $6^h\ 24^m.0c$.

6 18.1*b*. On J. D. 3248, residual *78* rejected for discordance. Position confirmed by that of $6^h\ 18^m.0d$.

6 21.0*b*. On J. D. 3937, perhaps clouds over λ. Preceding residuals 00 and *04*; following residuals, *49* and *38*.

6 23.3*a*. C. DM. −22° 3095, magn. 7.5.

6 24.0*c*. On J. D. 4349, residual 65 rejected. The stars, −24° 3969, −24° 3969, −17° 1515, −17° 1515, +2° 1253, +11° 1207, and +10° 1186, were observed in succession and observations were then stopped by dew. They gave the residuals, 28, 07, 24, 52, 56, 89, and 97. The observations of −17° 1515, −17° 1515, +2° 1253, +11° 1207, and +10° 1186, have accordingly been rejected and give the residuals, 37, 65, 65, 104, and 129, respectively.

6 24.0*g*. On J. D. 3955, "not seen; fainter than 9.2. C. DM. −25° 3237, magn. 6.5 seen." On J. D. 3969, "not seen; fainter than 8.5." On J. D. 3999. "not seen; fainter than 8.0." Photographic charts taken Nov. 13, 1889, Oct. 24, 1893, and Oct. 24, 1893, show no evidence of variation in this star, it being on these dates always fainter than C. DM. −25° 3241, 9.1, and brighter than C. DM. −25° 3245, 10. The C. DM. magnitude should probably be 9.3, the 6 being inverted in printing. Magnitude about 9.3 in C. DM. Atlas.

$h.$ $m.$

6 25.3*a*. C. DM. −22° 3129, magn. 7.0.

6 26.1*b*. On J. D. 4349, residual 104 rejected. See $6^h\ 24^m.0c$.

6 26.3*c*. Suspected variable. On J. D. 4349, residuals 37 and 65 rejected. See $6^h\ 24^m.0c$.

6 26.4*a*. C. DM. −22° 3149, magn. 7.5.

6 29.0*b*. On J. D. 4346, residual 107 rejected for discordance.

6 29.0*d*. C. DM. −22° 3203, magn. 8.5.

6 29.7*a*. Variable according to Backhouse. See Observatory, Dec. 1894, Vol. XVII, p. 402.

6 29.8*b*. On J. D. 4349, residual 129 rejected. See $6^h\ 24^m.0c$.

6 30.3*c*. On J. D. 3610, residual 105 rejected. Clouds?

6 30.9*a*. C. DM. −22° 3235, magn. 4.8.

6 31.3*b*. C. DM. −22° 3246, magn. 6.9.

6 32.5*b*. C. DM. −22° 3272, magn. 6.8.

6 34.7*d*. S. M. P. 1569, magn. 3.23. C. DM. −43° 2576, magn. 3.5.

6 35.5*b*. S Monocerotis. 276 Observations of four settings each on 46 nights fail to show any variation in this star. The results will be published in a later volume of the Annals.

6 38.6*d*. C. DM. −22° 3403, magn. 6.6.

6 40.7*a*. α Canis Majoris. Mean magn. −1.72.

6 47.2*b*. On J. D. 3959, residual 162 rejected. The only southern stars observed in this series, −34° 3140, −36° 3189, −33° 3389, −30° 4184, −36° 3485, −36° 3489, −36° 3989, −35° 4002, −29° 5236, −38° 3908, −40° 3776, and −39° 3939, were measured to determine the southern atmospheric absorption. The results are discordant, but if all are retained, give the coefficient 0.57, and the residuals from their assumed values, 73, 81, 105, *25*, 100, 209, *97*, *80*, *51*, *114*, *74*, and *132*. The first six stars which were observed successively, give the coefficient 0.84; the last six which were also observed successively, 0.37. All have been rejected.

6 48.2*a*. On J. D. 3959, residual 211 rejected. See $6^h\ 47^m.2b$.

6 51.6*a*. C. DM. −22° 3720, magn. 5.9.

6 53.0*a*. C. DM. −22° 3758, magn. 7.3.

6 54.7*d*. On J. D. 3959, residual 225 rejected. See $6^h\ 47^m.2b$.

6 59.1*a*. Suspected variable. On J. D. 3231, residual *57* retained.

7 0.5*c*. On J. D. 3239, residual 21 rejected for discordance.

7 0.9*d*. S. M. P. 1738, magn. 5.25. C. DM. −42° 2929, magn. 5.5. On J. D. 3267, residual 116 rejected for

h. m.

discordance. On J. D. 3602, residual 158 rejected for discordance.

7 0.9*e*. S. M. P. 1739, magn. 5.48. C. DM. −43° 2906, magn. 5.8.

7 3.3*a*. On J. D. 3607, residual *122* rejected. Apparently an unnoticed cloud over Pole. The stars, +54° 1100, +59° 1053, +55° 1174, +47° 1413, +47° 1411, +47° 1419, and −33° 3478, were observed in succession, and gave the residuals, *25*, *01*, *98*, *74*, *52*, *18*, and *01*. The observations of +55° 1174, +47° 1413, and +47° 1411, have accordingly been rejected and the residuals become, *122*, *92*, and *62*, respectively.

7 5.8*a*. On J. D. 3607, residual *62* rejected. See $7^h 3^m.3a$.

7 6.1*a*. On J. D. 3607, residual *92* rejected. See $7^h 3^m.3a$.

7 7.2*a*. On J. D. 3950, residual *68* rejected. Clouds.

7 9.1*c*. C. DM −22° 4195, magn. 6.8.

7 9.6*b*. C. DM. −22° 4204, magn. 7.2.

7 9.7*d*. S. M. P. 1805, magn. 4.54. C. DM. −46° 2977, magn. 4.8.

7 10.2*d*. On J. D. 4338, residual *51* rejected. The stars, −25° 4191, −22° 1756, −26° 4057, and −23° 5189, were observed in succession, and gave the residuals, *17*, 04, *38*, and *61*. "Northern lens entirely covered with dew. No dew on southern lens. Last stars probably affected by dew." The observations of −26° 4057, and −23° 5189, were accordingly rejected, and give the residuals *51*, and *81*, respectively.

7 10.2*f*. S. M. P. 1813, magn. 5.08. C. DM. −44° 3223, magn. 5.3.

7 11.5*b*. On J. D. 3959, residual 46 rejected. See $6^h 47^m.2b$.

7 12.4*b*. On J. D. 4338, residual *81* rejected. See $7^h 10^m.2d$.

7 12.5*b*. J. D. 3248, and 3251. This star could not be observed owing to the proximity of $7^h 12^m.4b$.

7 13.3*b*. On J. D. 3959, residual 215 rejected. See $6^h 47^m.2b$. On J. D. 3991, residual 129 rejected. Haze.

7 13.6*c*. On J. D. 3959, residual 315 rejected. See $6^h 47^m.2b$. On J. D. 3991, residual 449 rejected. Haze. See $7^h 13^m.3b$.

7 14.0*b*. C. DM. −22° 4320, magn. 7.1.

7 14.5*a*. J. D. 3954. Combined with +73° 375, magn. 7.8.

7 15.2*a*. This star is not in the DM. Found by T. E. Espin. See Wolsingham Obs. Circular No. 45. No variation detected on 30 photographs taken between 1889, and 1898. See H. C. O. Circular No. 27.

7 16.7*a*. C. DM. −22° 4383, magn. 7.0.

7 17.2*a*. On J. D. 3612, residual *05* rejected. Uncertain whether this star or +56° 1207, magn. 7.7, was observed.

7 19.5*d*. No observations of this star have been obtained with the meridian photometer.

7 19.8*b*. On J. D. 3991, residual 151 rejected. Haze. See $7^h 13^m.3b$.

7 20.1*c*. C. DM. −22° 4462. magn. 6.7.

h. m.

7 20.5*a*. On J. D. 3950, residual *72* rejected. Clouds.

7 20.9*b*. Suspected variable. On J. D. 4015, residuals 190 and 185 rejected. Perhaps +46° 1269, magn. 8.8, was the object observed.

7 20.9*d*. On J. D. 3607, residual *105* rejected for discordance.

7 21.2*c*. On J. D. 3951, residual *90* rejected for discordance.

7 21.3*a*. Combined light of A. G. C. 9521 and 9523, magn. 7½ and 7.

7 22.8*b*. C. DM. −22° 4526, magn. 5.7.

7 23.5*b*. C. DM. −22° 4540, magn. 6.7.

7 25.1*a*. Combined light of A. G. C. 9616 and 9617, magn. 7¼ and 7¾.

7 25.6*c*. C. DM. −22° 4587, magn. 5.4.

7 26.0*b*. On J. D. 3239, residual *119* rejected for discordance. The observation agrees with −37° 3601 in collimation and magnitude, but declination would be 20′ in error.

7 26.1*a*. S. M. P. 1951, magn. 2.99. C. DM. −43° 3260, magn. 3.5. On J. D. 3984, residual 104 rejected for discordance.

7 29.8*b*. C. DM. −22° 4702, magn. 5.2.

7 30.1*a*. Combined light of A. G. C. 9744 and 9745, magn. 6¾ and 7.

7 33.6*b*. On J. D. 3991, residual 181 rejected. Haze. See $7^h 13^m.3b$.

7 33.6*c*. On J. D. 3980, residual 175 rejected for discordance. Perhaps low cloud. See $7^h 43^m.1b$.

7 34.3*a*. Magn. in U. A. 7.0, but photographs and photometric measures confirm DM. magn. 8.3.

7 34.7*c*. Combined light of A. G. C. 9880 and 9881, magn. 4½ and 5.

7 37.0*b*. In A. G. C. var. R Puppis. On J. D. 3247, "not seen, fainter than 8.5." Not in Chandler's Third Catalogue of Variable Stars. Photographs taken on November 18, 1889; April 23, 1892; March 16, March 27, May 18, November 13, 1894; April 11, October 25, October 28, October 31, December 16, 1895; March 25, November 13, November 16, November 24, 1896; September 18, October 6, November 30, 1897; March 3, March 18, April 13, 1898; April 5, and April 22, 1899, show a variation of about 0.6 magnitude in this star. On some of them it is about equal to Z. C. 7^h 2572, magn. 8; while on others it is equal to, or perhaps slightly brighter than A. G. C. 9866, magn. 7.5.

7 37.1*c*. C. DM. −22° 4950, magn. 6.9.

7 37.5*a*. C. DM. −22° 4964, magn. 7.8.

7 39.9*b*. S. M. P. 2054, magn. 5.06. C. DM. −44° 3675, magn. 5.6.

7 40.9*e*. Suspected variable. On J. D. 3972, residual *110* rejected for discordance. On J. D. 4334, residual *118* rejected for discordance. Position and magnitude render it probable that −37° 3868, magn. 6.8, was the object observed on these days.

7 41.1*b*. On J. D. 4349, residual 117 rejected for discordance.

h. *m.*

7 41.2*b*. Suspected variable. On J. D. 4017, the stars, +24° 1769, +24° 1769, +13° 1770, +13° 1770, +13° 1770, +24° 1769, and +24° 1769, were observed in succession, and gave the residuals, 09, *51*, *67*, *61*, *15*, *09*, and 19. After the second observation of +13° 1770, the remark was made, "Cloud over Pole, which may have affected preceding stars, which are accordingly repeated." The second observation of +24° 1769, and the first and second of +13° 1770, have, therefore, been rejected. The seven residuals then become, 05, *55*, *77*, *71*, *25*, *13*, and 15, respectively.

7 41.7*d*. On J. D. 3223, perhaps clouds. Preceding residuals, 30 and 28; following residuals, 37 and 13.

7 41.8*a*. C. DM. −22° 5101, magn. 8.1.

7 41.8*b*. C. DM. −22° 5103, magn. 7.6.

7 42.8*a*. Suspected variable. On J. D. 4017, residuals *77* and *71* rejected. See $7^{h}\,41^{m}.2b$.

7 42.9*a*. C. DM. −22° 5140, magn. 6.5.

7 43.1*b*. On J. D. 3223, perhaps clouds, Preceding residuals, 13 and 39; following residuals, 21 and *14*. See $7^{h}\,41^{m}.7$. On J. D. 3980, residual 148 rejected for discordance. See $7^{h}\,33^{m}.6c$.

7 43.8*b*. On J. D. 3963, residual *02* rejected. Uncertain which star was observed.

7 49.1*e*. On J. D. 3963, residual 213 rejected for discordance.

7 49.4*a*. C. DM. −22° 5310, magn. 7.3.

7 49.4*b*. C. DM. −22° 5311, magn. 7.4.

7 49.4*e*. On J. D. 3959, residual 03 rejected. See $6^{h}\,47^{m}.2b$.

7 50.5*a*. Suspected variable. On J. D. 3957, residual 130 rejected for discordance. On J. D. 3959, residual 36 rejected. See $6^{h}\,47^{m}.2b$.

7 51.5*b*. C. DM. −22° 5374, magn. 3.7. There is no bright star in this place. The C. DM. Chart shows a star, magn. 10, in this region, but no bright star. Probably the magn. 3.7 is due to some error in printing.

7 52.6*b*. C. DM. −22° 5403, magn. 4.9.

7 53.7*b*. On J. D. 3959, residual 27 rejected. See $6^{h}\,47^{m}.2b$.

7 53.7*c*. S. M. P. 2172, magn. 5.58. C. DM. −43° 3758, magn. 6.7.

7 54.1*a*. S. M. P. 2176, magn. 5.21. C. DM. −43° 3766, magn. 5.7.

7 54.7*c*. S. M. P. 2184, magn. 5.14. C. DM. −45° 3611, magn. 5.6.

7 54.8*b*. C. DM. −22° 5476, magn. 5.9.

7 56.0*c*. On J. D. 3959, residual 37 rejected. See $6^{h}\,47^{m}.2b$.

7 59.3*b*. On J. D. 3959, residual 148 rejected. See $6^{h}\,47^{m}.2b$.

8 0.1*a*. On J. D. 3959, residual 34 rejected. See $6^{h}\,47^{m}.2b$.

8 2.7*c*. On J. D. 3267, residual 120 rejected for discordance. Probably affected by low cloud which did not affect stars at greater altitude. See $8^{h}\,7^{m}.8c$.

h. *m.*

8 3.5*b*. S. M. P. 2277, magn. 4.82. C. DM. −44° 4051, magn. 5.8.

8 5.4*b*. Combined light of A. G. C. 10824 and 10827, magn. 7.5 and 7½.

8 5.9*b*. C. DM. −22° 5752, magn. 7.0.

8 6.1*a*. The DM. magnitude of this star is 6.3. The magnitude of this star in the A. G. C. is 8, and depends upon a single estimate in 1880. It is not in the U. A. nor in the Cordoba Z. C. The magnitude according to Lalande is 7½.

8 6.3*c*. S. M. P. 2300, magn. 5.21. C. DM. −43° 3998, magn. 5.9. On J. D. 3999, residual 151 rejected for discordance.

8 6.5*b*. S. M. P. 2305, magn. 1.91. C. DM. −46° 3847, magn. 3.0. Observations discordant owing to low altitude. On J. D. 4360, residuals *217* and *218* rejected for discordance. On J. D. 4363, residuals *174* and *136* rejected for discordance.

8 7.8*c*. On J. D. 3267, residual 177 rejected for discordance. See $8^{h}\,2^{m}.7c$.

8 8.0*a*. S. M. P. 2321, magn. 4.85. C. DM. −42° 3979, magn. 5.4. On J. D. 4360, residual 127 rejected for discordance.

8 8.3*a*. On J. D. 3238, residual *81* rejected. The stars, −6° 2489, −6° 2494, −0° 1938, −3° 2268, −2° 2504, −2° 2509, −2° 2512, −1° 2017, −1° 2028, and −0° 1987, were observed in succession, and gave the residuals, *20*, *26*, *74*, *20*, *54*, *59*, *46*, *48*, *30*, and *23*. Probably an unnoticed cloud crossed the Pole at this time. The observations of the stars, −0° 1938, −3° 2268, −2° 2504, −2° 2509, −2° 2512, and −1° 2017, were accordingly rejected, and give the residuals, *81*, *40*, *61*, *68*, *53*, and *55*, respectively.

8 9.5*c*. On J. D. 3238, residual *40* rejected. See $8^{h}\,8^{m}.3a$.

8 10.2*b*. On J. D. 4333, residual *95* rejected for discordance. Collimation recorded 86.9, assumed to be 66.9.

8 10.5*a*. On J. D. 4349, residual 80 rejected for discordance. Cloud?

8 11.2*a*. J. D. 3274. See $8^{h}\,14^{m}.0a$.

8 11.5*b*. On J. D. 3238, residual *61* rejected. See $8^{h}\,8^{m}.3a$.

8 12.2*a*. On J. D. 3238, residual *68* rejected. See $8^{h}\,8^{m}.3a$.

8 12.3*a*. No observations of this star have been obtained with the meridian photometer.

8 12.5*a*. On J. D. 3238, residual *53* rejected. See $8^{h}\,8^{m}.3a$.

8 14.0*a*. On J. D. 3274, residual *50* rejected. The stars, +67° 534, +77° 327, +67° 538, +69° 464, +66° 545, +61° 1043, and +65° 628, were observed in succession, and gave the residuals, *53*, *01*, *20*, *44*, *64*, *82*, and 04. "Stopped by clouds which probably affected last two or three stars." The observations of +69° 464, +66° 545, +61° 1043, and +65° 628, have accordingly been rejected, and give the residuals, *50*, *73*, *92*, and 09, respectively.

h. *m.*

8 14.3*a*. On J. D. 3274, residual *73* rejected. See 8^{h} 14^{m}.0*a*.

8 14.4*a*. On J. D. 3274, residual *92* rejected. See 8^{h} 14^{m}.0*a*.

8 14.7*a*. On J. D. 3274, residual 09 rejected. See 8^{h} 14^{m}.0*a*.

8 14.7*b*. On J. D. 3289, residual 95 rejected. Uncertain whether +25° 1901 or +25° 1903 was observed.

8 16.1*b*. C. DM. −22° 6017, magn. 6.0.

8 16.3*d*. On J. D. 3238, residual *55* rejected. See 8^{h} 8^{m}.3*a*.

8 17.5*c*. On J. D. 4347, residual 126 rejected. The southern stars, −32° 5185, −36° 4518, −31° 6165, −34° 5128, −32° 5651, and −32° 5770, were observed in succession, and gave the residuals, 114, 106, 87, 107, 96, and 76. "Clouds in south." The observations of these stars have accordingly been rejected, and the residuals then become, 126, 117, 97, 121, 108, and 83, respectively.

8 17.5*d*. On J. D. 4347, residual 117 rejected. See 8^{h} 17^{m}.5*c*.

8 20.6*b*. C. DM. −22° 6115, magn. 5.9

8 20.9*b*. On J. D. 3248, residual *123* rejected for discordance.

8 21.7*b*. On J. D. 3267, residual 80 rejected. The stars, −23° 7269, −21° 2426, −29° 6145, −26° 6035, −33° 5023, −27° 5563, −26° 6200, −26° 6225, −29° 6430, −28° 6276, −25° 6334, and −28° 6359, were observed in succession, and gave the residuals, *02*, *07*, 64, *12*, 134, 88, 73, 83, 96, 50, 12, and 06. An unnoticed cloud probably affected the measures. The observations of −29° 6145, −26° 6035, −33° 5023, −27° 5563, −26° 6200, −26° 6225, −29° 6430, and −28° 6276, have accordingly been rejected, and give the residuals, 80, *12*, 161, 110, 88, 87, 120, and 62, respectively.

8 22.1*b*. On J. D. 3267, residual *12* rejected. See 8^{h} 21^{m}.7*b*.

8 22.4*a*. Suspected variable.

8 22.6*b*. Combined light of A. G. C. 11332 and 11333, magn. 7 and 7½.

8 22.7*a*. On J. D. 4327, perhaps clouds. Preceding residuals, 16 and 22; following residuals, 18 and 20.

8 22.8*b*. C. DM. −23° 7323, magn. 7.3.

8 22.9*c*. On J. D. 3267, residual 161 rejected. See 8^{h} 21^{m}.7*b*.

8 23.3*b*. On J. D. 3247, residual *19* rejected. Uncertain which star was observed.

8 24.3*a*. C. DM. −22° 6201, magn. 6.8.

8 26.0*d*. S. M. P. 2491, magn. 5.15. C. DM. −44° 4462, magn. 6.1.

8 26.4*b*. On J. D. 3267, residual 110 rejected. See 8^{h} 21^{m}.7*b*.

8 26.5*b*. On J. D. 3991, residual 164 rejected for discordance. On J. D. 4347, residual 97 rejected. See 8^{h} 17^{m}.5.

8 29.5*b*. C. DM. −22° 6319, magn. 7.3.

8 30.3*c*. On J. D. 3267, residual 88 rejected. See 8^{h} 21^{m}.7*b*.

h. *m.*

8 31.2*b*. Suspected variable. On J. D. 3267, residual 87 rejected. See 8^{h} 21^{m}.7*b*.

8 31.3*b*. On J. D. 3267, residual 120 rejected. See 8^{h} 21^{m}.7*b*.

8 31.5*b*. On J. D. 3267, residual 62 rejected. See 8^{h} 21^{m}.7*b*.

8 32.8*a*. On J. D. 2876, residual 96 rejected for discordance.

8 34.2*b*. S. M. P. 2554, magn. 4.08. C. DM. −42° 4451, magn. 4.6.

8 34.8*b*. C. DM. −22° 6442, magn. 5.6.

8 36.2*c*. On J. D. 4347, residual 121 rejected. See 8^{h} 17^{m}.5*a*.

8 36.6*c*. Suspected variable.

8 37.3*a*. S. M. P. 2582, magn. 3.71. C. DM. −46° 4438, magn. 4.1.

8 38.5*b*. S. M. P. 2589, magn. 5.21. C. DM. −44° 4704, magn. 5.9.

8 39.6*a*. On J. D. 4347, residual 108 rejected. See 8^{h} 17^{m}.5*a*.

8 40.6*a*. Not observed, owing to the proximity of +29° 1824.

8 40.8*a*. S. M. P. 2614, magn. 3.98. C. DM. −42° 4569, magn. 4.4.

8 42.6*b*. S. M. P. 2629, magn. 4.01. C. DM. −45° 4517, magn. 4.1. On J. D. 3607, residual 173 rejected for discordance.

8 43.1*d*. S. M. P. 2633, magn. 5.58. C. DM. −45° 4526, magn. 5.9.

8 45.2*b*. In Vol. XXIV, magn. 5.76; in Vol. XLIV, magn. 6.40.

8 45.8*a*. On J. D. 4347, residual 83 rejected. See 8^{h} 17^{m}.5*a*.

8 45.9*c*. Suspected variable.

8 46.4*c*. S. M. P. 2659, magn. 4.94. C. DM. −44° 4861, magn. 5.7.

8 47.7*a*. On J. D. 3612, residual *31* rejected. Uncertain which star was observed.

8 47.8*c*. Suspected variable. A. G. C. 12049, magn. 7.1. C. DM. −42° 4723, magn. 7.1. This star is not in the S. M. P. Third reading of first observation of J. D. 4017 recorded 248.1, assumed to be 348.1.

8 50.1*d*. Suspected variable.

8 50.1*e*. C. DM. −23° 7878, magn. 7.5.

8 50.1*f*. On J. D. 3267, residual 150 rejected for discordance. Probably −35° 5137, magn. 8.5, was observed.

8 50.6*c*. Combined light of A. G. C. 12115 and 12116, magn. 7½ and 7.

8 55.1*b*. C. DM. −22° 6817, magn. 7.4.

8 55.4*a*. C. DM. −22° 6820, magn. 7.0.

8 59.0*b*. C. DM. −22° 6855, magn. 7.8.

9 2.7*a*. On J. D. 3612, residual 28 rejected. Uncertain which star was observed.

9 4.3*c*. S. M. P. 2777, magn. 2.10. C. DM. −42° 4990, magn. 2.5. On J. D. 3650, residual 122 rejected for discordance. On J. D. 4383, residual 67 rejected Clouds.

h. *m.*

9 5.1*b*. C. DM. −22° 6931, magn. 7.3.

9 5.9*a*. C. DM. −22° 6945, magn. 6.7.

9 6.4*a*. On J. D. 4347, residual 136 rejected. Dew.

9 7.4*c*. S. M. P. 2802, magn. 5.04. C. DM. −44° 5206, magn. 5.6. On J. D. 3650, residual 124 rejected for discordance. On J. D. 3983, residual 100 rejected. Uncertain which star was observed.

9 8.0*a*. On J. D. 3271, "not seen, fainter than 8.5." Probably affected by clouds which interrupted observations later.

9 8.7*a*. On J. D. 3991, residual *106* rejected. Adjacent stars give negative residuals showing that there was probably a cloud over λ. J. D. 4354. The collimation 66.3 would indicate that +39° 2231, magn. 8.5, was the object observed. Observer estimated the magn., 7.3, and asked that his identification be confirmed. Collimation assumed to be 69.3.

9 9.1*a*. On J. D. 3991, residual *64* rejected. See 9*h* 8*m*.7*a*.

9 9.3*b*. C. DM. −22° 7007, magn. 7.2.

9 10.4*c*. C. DM. −22° 7035, magn. 7.6.

9 10.6*a*. S. M. P. 2825, magn. 5.34. C. DM. −42° 5086, magn. 5.9.

9 11.1*a*. C. DM. −22° 7043, magn. 7.2.

9 11.6*a*. On J. D. 3271, residual 109 rejected. Clouds. "Thin clouds in south west, which may have affected some of preceding stars."

9 12.7*b*. S. M. P. 2849, magn. 4.94. C. DM. −43° 5103, magn. 5.6.

9 13.1*a*. On J. D. 4347, residual 72 rejected. Dew.

9 14.4*a*. No observations of this star have been obtained with the meridian photometer.

9 14.6.*b* C. DM. −22° 7106, magn. 7.3.

9 15.1*a*. J. D. 3643. The star intended was +40° 2197, but the position and magnitude indicate that −40° 2195 was the object observed.

9 15.7*d*. C. DM. −22° 7124, magn. 7.7.

9 16.5*b*. Combined light of A. G. C. 12712 and 12713, magn. 7¾ and 8½.

9 21.7*a*. On J. D. 2891, residual *113* rejected for discordance. Perhaps −39° 5507, magn. 6.8, was observed. On J. D. 3988, residual 129 rejected for discordance.

9 23.7*a*. On J. D. 4347, residual 117 rejected. Dew.

9 25.3*b*. C. DM. −22° 7295, magn. 6.8.

9 26.5*c*. Combined light of A. G. C. 12977 and 12978, magn. 6¾ and 6½.

9 26.9*d*. C. DM. −22° 7326, magn. 7.3.

9 28.8*b*. C. DM. −22° 7357, magn. 6.3.

9 30.9*a*. C. DM. −22° 7398, magn. 7.5.

9 34.1*a*. S. M. P. 3035, magn. 5.41. C. DM. −42° 5462, magn. 6.0.

9 34.6*c*. C. DM. −22° 7456, magn. 7.5.

9 36.5*a*. On J. D. 3305, residual *79* rejected for discordance.

9 36.7*c*. C. DM. −23° 8624, magn. 5.2.

9 36.9*a*. On J. D. 3307, residual 80 rejected for discordance.

h. *m.*

9 38.1*a*. J. D. 3998. The star intended was +66° 637, but the position and magnitude indicate that +66° 630 was the object observed.

9 38.2*b*. Suspected variable.

9 40.0*b*. C. DM. −22° 7542, magn. 7.1.

9 40.1*b*. C. DM. −22° 7543, magn. 7.5.

9 40.1*c*. C. DM. −22° 7545, magn. 7.5.

9 41.5*a*. On J. D. 3633, residual *07* rejected. Uncertain which star was observed.

9 41.7*c*. C. DM. −22° 7573, magn. 7.4.

9 42.6*b*. S. M. P. 3085, magn. 5.74. C. DM. −44° 5846, magn. 5.7.

9 44.0*b*. C. DM. −22° 7614, magn. 8.3.

9 46.7*d*. C. DM. −22° 7654, magn. 8.7.

9 47.5*b*. S. M. P. 3119, magn. 5.61. C. DM. −45° 5499, magn. 6.2.

9 47.9*b*. S. M. P. 3121, magn. 4.45. C. DM. −45° 5508, magn. 5.0.

9 49.0*a*.C. DM. −22° 7695, magn. 8.4.

9 50.4*a*. S. M. P. 3140, magn. 5.81. C. DM. −44° 5987, magn. 5.8.

9 50.5*a*. C. DM. −22° 7719, magn. 7.4.

9 54.6*b*. On J. D. 3988, residual 85 rejected for discordance.

9 56.6*a*. C. DM. −22° 7830, magn. 7.3.

9 56.6*b*. C. DM. −22° 7831, magn. 6.8.

9 59.3*a*. A. G. C. 13721, magn. 7¼, and A. G. C. 13722, magn. 6½. The accordance of the measures renders it probable that the same object was observed in all four series, although on J. D. 3288 the object observed was recorded as A. G. C. 13721.

10 2.0*a*. C. DM. −22° 7911, magn. 7.3.

10 4.5*c*. C. DM. −22° 7953, magn. 7.2.

10 7.7*a*. On J. D. 3267, residual 95 rejected for discordance.

10 8.3*a*. Variable. See H. C. O. Circular No. 32.

10 9.2*b*. C. DM. −22° 8013, magn. 7.6.

10 10.5*b*. On J. D. 3988, residual 102 rejected for discordance.

10 11.3*d*. S. M. P. 3271, magn. 5.68. C. DM. −42° 6074, magn. 6.2.

10 13.4*b*. On J. D. 4381, residual 109 rejected. Readings discordant.

10 14.0*a*. On J. D. 3315, residual *140* rejected for discordance. Strong twilight. Second reading discordant, but rejecting this makes the magnitude still more discordant.

10 14.1*b*. C. DM. −22° 8091, magn. 7.3.

10 14.9*b*. This star is A. G. C. 14077, magn. 7½. Photographs taken on March 18, May 28, 1890; April 22, April 23, April 27, May 12, 1892; April 29, April 29, and May 3, 1893, show slight, if any, evidence of variation.

10 15.1*b*. C. DM. −22° 8102, magn. 7.3.

10 15.5*a*. C. DM. −22° 8112, magn. 7.4. On J. D. 4005, residuals 49 and 56 rejected. Uncertain what star was observed.

10 15.9*c*. C. DM. −23° 9206, magn. 7.7.

h. *m.*

10 16.8*a*. C. DM. −23° 9219, magn. 6.6.

10 23.5*b*. A. G. C. 14287, magn. 7. C. DM. −43° 6280, magn. 7.3. This star is not in the S. M. P. On J. D. 3679, residual *117* rejected. Uncertain which star was observed.

10 24.4*b*. This star is also −2° 3155, magn. 6.0.

10 25.0*a*. Regarded as variable by A. S. Williams. (See Catalogue of the Magnitudes of 1081 Stars, page 33.)

10 27.7*b*. C. DM. −22° 8296, magn. 7.2.

10 27.7*c*. S. M. P. 3397 and 3398, combined light measured, magn. 5.82. C. DM. −44° 6582 and 6583, magn. 6.7 and 6.3. On J. D. 3633, residual *79* rejected. On J. D. 3643, residual *78* rejected.

10 28.3*d*. A. G. C. 14384, magn. 6.4. C. DM. −43° 6347, magn. 6.4. This star is not in the S. M. P.

10 29.2*c*. C. DM. −23° 9386, magn. 5.6.

10 30.2*a*. C. DM. −22° 8332, magn. 6.5.

10 30.8*b*. On J. D. 3666, residual 81 rejected for discordance.

10 32.1*a*. C. DM. −22° 8349, magn. 7.1.

10 32.9*a*. The position in Vols. XXVII, and XLIV, is erroneously given as R. A. $10^h 33^m.5$. It was reduced from the B. A. C. which is in error by $0^m.6$.

10 32.9*b*. C. DM. −22° 8361, magn. 7.4.

10 34.5*c*. A. G. C. 14543, magn. 6.4. C. DM. −42° 6390, magn. 6.4. This star is not in the S. M. P.

10 38.1*b*. C. DM. −22° 8439, magn. 6.9.

10 41.4*c*. C. DM. −22° 8470, magn. 7.3.

10 42.7*c*. Combined light of A. G. C. 14756 and 14757, magn. 7¾ and 8.

10 55.4*c*. S. M. P. 3598, magn. 6.12. C. DM. −43° 6692, magn. 6.2.

10 55.5*a*. This is A. G. C. 15044, magn. 7½. Magn. 8.59, in S. M. P.

10 59.8*b*. C. DM. −22° 8661, magn. 7.5.

11 6.7*a*. C. DM. −22° 8743, magn. 4.6.

11 8.7*c*. C. DM. −22° 8758, magn. 6.9.

11 8.8*b*. Suspected variable.

11 10.8*c*. C. DM. −22° 8778, magn. 6.9.

11 17.5*b*. On J. D. 4016, residual *40* rejected. Uncertain which star was observed. The star is not in the A. G. C. Photographs taken on June 4, 1889; May 23, May 30, June 3, 1890; May 1, May 1, and June 1, 1893, fail to show any evidence of variation in this star which is faint on all the plates.

11 18.8*b*. C. DM. −23° 9918, magn. 7.5.

11 19.8*b*. C. DM. −22° 8877, magn. 7.3.

11 23.8*b*. On J. D. 4017, residual 109 rejected. Haze.

11 27.3*a*. Combined light of A. G. C. 15759 and 15760, magn. 6 and 6.

11 27.9*a*. C. DM. −22° 8964, magn. 7.3.

11 28.1*a*. On J. D. 3666, residual *117* rejected. Clouds.

11 28.2*a*. On J. D. 4383, residuals 30 and 38 rejected. The stars, −26° 8620, −31° 9083, −32° 8179, +67° 714, +63° 999, −15° 3295, −15° 3295, +36° 2216, +36° 2216, +15° 2383, +15° 2383, +64° 896, and +70° 700, were observed in succession, and gave the residuals, 15, *17*, 23, 26, 40, 27, 35, 71, 45, 51, 55, 82, and 84. The observations were then stopped by dew which covered two thirds of the southern objective. The observations of −32° 8179, +67° 714, +63° 999, −15° 3295, −15° 3295, +36° 2216, +36° 2216, +15° 2383, +15° 2383, +64° 896, and +70° 700, were accordingly rejected, and give the residuals, 25, 26, 41, 30, 38, 77, 51, 61, 65, 83, and 85, respectively.

11 29.6*b*. On J. D. 4383, residual 25 rejected. See $11^h 28^m.2a$.

11 32.0*a*. C. DM. −22° 9009, magn. 6.7.

11 33.1*b*. This star is A. G. C. 15892, magn. 7½, observed once in 1880. In Cordoba Vol. XIII, p. 220, no magnitude is given, but on p. 513, magn. 7½ is entered. This star is Z. C. 11^h2244, magn. 9. Photographs taken on June 10, 1889; May 5, June 7, June 7, 1890; May 30, 1891; April 27, April 30, June 27, 1892; May 1, May 1, May 5, May 8, June 27, 1893; April 9, June 18, June 18, 1894; Feburary 20, April 18, April 19, April 20, April 25, May 1, May 2, May 11, June 5, and June 6, 1895, fail to show any evidence of variation. On all of these it was about 0.4 fainter than −36° 7301, magn. 8.5, about 0.1 brighter than −35° 7343, magn. 9.4, and about 0.5 brighter than −36° 7312, magn. 9.5. Its spectrum is of Class G. On J. D. 2957, and 3652, residuals *182* and *171* rejected. A 15878, magn. 7¾, precedes $0^m.6$, north 5′, and was probably observed by mistake for this star on these dates.

11 35.0*d*. Combined light of A.G.C. 15942 and 15943, magn. 7 and 7½.

11 35.2*b*. On J. D. 4389, residual 94 rejected. Clouds.

11 36.4*d*. S. M. P. 3932, magn. 5.59. C. DM. −42° 7155, magn. 6.1.

11 36.8*a*. On J. D. 4389, residual 48 rejected. See $11^h 35^m.2b$.

11 36.9*a*. On J. D. 4383, residual 26 rejected. See $11^h 28^m.2a$.

11 40.4*a*. On J. D. 4383, residuals 77 and 51 rejected. See $11^h 28^m.2a$.

11 41.8*c*. On J. D. 4389, residual *54* rejected. See $11^h 35^m.2b$.

11 43.4*a*. C. DM. −22° 9125, magn. 7.2.

11 43.6*b*. Suspected variable. On J. D. 4424, residual 70 rejected for discordance.

11 44.0*b*. Suspected variable. On J. D. 4383, residuals 61 and 65 rejected. See $11^h 28^m.2a$.

11 46.1*c*. S. M. P. 3995, magn. 4.59 C. DM. −44° 7614, magn. 5.0.

11 46.6*a*. On J. D. 4389, residual 107 rejected. See $11^h 35^m.2b$.

11 47.2*a*. This star is Groombridge 1830. In Vol. XLIV, for R. A. $11^h 46^m.9$, Dec. +38° 31′, read R. A. $11^h 47^m.2$, Dec. +38° 26.

11 50.5*b*. C. DM. −22° 9180, magn. 7.5.

11 53.9*b*. C. DM. −22° 9218, magn. 7.2.

12 0.6*a*. On J. D. 4383, residual 41 rejected. See $11^h 28^m.2a$.

12 1.2*b*. C. DM. −22° 9277, magn. 7.3.

h. *m.*

12 1.9*b*. C. DM. −23° 10378, magn. 6.9.

12 3.1*a*. J. D. 4027. N. G. C. 4125. "Suspected, but too diffuse for measurement."

12 3.7*a*. S. M. P. 4096, magn. 6.03. C. DM. −43° 7502, magn. 6.0.

12 5.4*b*. On J. D. 4049, residual 10 rejected. Uncertain what star was observed.

12 5.9*a*. On J. D. 3660, residual *95* rejected. Uncertain which star was observed.

12 5.9*c*. C. DM. −22° 9308, magn. 5.8.

12 8.8*c*. S. M. P. 4127, magn. 5.36. C. DM. −45° 7630, magn. 6.7.

12 9.6*a*. On J. D. 3327, residual *143* rejected for discordance.

12 10.6*a*. C. DM. −22° 9344, magn. 6.7.

12 11.9*b*. This star is A. G. C. 16752, where its right accension is in error by 1^m. Its position is correctly given in Cordoba Result. Vol. X, p. 78, but erroneously printed on p. 209, and in Vol. XIV, p. 329.

12 16.5*b*. C. DM. −22° 9403, magn. 7.5.

12 19.1*a*. On J. D. 3327, residual *36* rejected. Uncertain whether +60° 1396, or +60° 1397 was observed.

12 19.6*a*. In Vol. XXIV, p. 224, the photometric magnitudes and residuals of this star, which is M. P. 1583, and of 1595 should be transposed.

12 20.4*a*. On J. D. 4383, residual 83 rejected. See $11^h\,28^m$.2*a*.

12 22.6*a*. This star is M. P. 1595. See $12^h\,19^m$.6*a*.

12 25.1*b*. C. DM. −23° 10572, magn. 6.2.

12 25.3*a*. Suspected variable. On J. D. 2247, the residuals in this part of the series are in general positive. See Vol. XLIV.

12 25.3*b*. Suspected variable.

12 25.7*a*. On J. D. 4383, residual 85 rejected. See $11^h\,28^m$.2*a*.

12 28.4*a*. Suspected variable.

12 28.8*a*. C. DM. −22° 9503, magn. 7.6.

12 29.1*a*. C. DM. −22° 9505, magn. 2.6.

12 29.3*d*. S. M. P. 4261, magn. 5.83. C. DM. −43° 7755, magn. 6.0.

12 30.8*a*. On J. D. 3323, residual *69* rejected for discordance.

12 36.1*b*. Combined light of A. G. C. 17271 and 17272, magn. 6½ and 6½.

12 36.6*c*. Combined light of A. G. C. 17291 and 17292, magn. 5½ and 5¼.

12 39.8*b*. Suspected variable.

12 39.9*a*. On J. D. 4045, residual 185 rejected for discordance.

12 40.1*a*. On J. D. 4049, residual 96 rejected. "Clouds."

12 43.7*a*. C. DM. −22° 9627, magn. 7.6.

12 44.4*b*. Suspected variable. See $12^h\,25^m$.3*a*.

12 45.3*b*. On J. D. 3694, residual 133 rejected. Haze.

12 46.8*b*. Suspected variable. See $12^h\,25^m$.3*a*.

12 47.2*b*. C. DM. −22° 9651, magn. 7.1.

12 48.1*a*. On J. D. 4432, residual 49 rejected. Uncertain which star was observed.

h. *m.*

12 48.8*c*. Combined light of A. G. C. 17550 and 17551, magn. 8½ and 9.

12 49.6*a*. Suspected variable. In Vol. XLIV, on J. D. 3300, readings discordant.

12 49.8*b*. S. M. P. 4371, magn. 5.40. C. DM. −42° 7975, magn. 6.1.

12 52.2*b*. C. DM. −22° 9687, magn. 6.6.

12 52.8*b*. C. DM. −22° 9690, magn. 7.0.

12 54.0*a*. Suspected variable.

12 55.5*d*. Suspected variable.

12 57.9*a*. On J. D. 4458, residual 05 rejected. Uncertain which star was observed.

12 58.2*a*. On J. D. 3687, residual *68* rejected. Large negative residual perhaps due to cloud over Pole. The stars, +23° 2528, +23° 2530, +23° 2531, +31° 2445, +22° 2540, and +36° 2337, were observed in succession, and gave the residuals, *03*, *11*, *60*, *63*, *20*, and *33*. See also $13^h\,19^m$.8. The stars, +23° 2531 and +31° 2445, have accordingly been rejected and give the residuals, *68* and *73*, respectively.

12 59.1*a*. On J. D. 3687, residual *73* rejected. See $12^h\,58^m$.2*a*.

13 3.2*c*. C. DM. −22° 9771, magn. 7.2.

13 3.6*b*. C. DM. −22° 9774, magn. 5.3.

13 4.7*a*. C. DM. −22° 9783, magn. 8.4.

13 4.9*a*. C. DM. −22° 9785, magn. 7.9.

13 5.6*a*. S. M. P. 4452, magn. 5.08. C. DM. −42° 8175, magn. 5.1.

13 8.0*b*. N. G. C. 5024. On J. D. 3330 and 3338, "too diffuse."

13 8.1*b*. Combined light of A. G. C. 17986 and 17987, magn. 7½ and 6¾.

13 11.4*d*. S. M. P. 4483, magn. 5.90. C. DM. −43° 8165, magn. 6.3.

13 13.2*a*. On J. D. 3356, residual 51 rejected for discordance.

13 13.5*b*. C. DM. −22° 9855, magn. 3.2.

13 14.5*a*. On J. D. 3692, residual *107* rejected. Uncertain which star was observed.

13 16.0*b*. C. DM. −22° 9882, magn. 7.2.

13 16.1*b*. On J. D. 4049, residuals 170 and 93 rejected. "Clouds?" Observations stopped by clouds after two more stars.

13 19.8*a*. On J. D. 3687, residual *110* rejected. Stopped by clouds over Pole after observing this star. They evidently caused the negative residual. The residuals of the two preceding stars were *03*, and 08.

13 22.2*a*. On J. D. 3324, residual *98* rejected for discordance. Perhaps the object observed was −34° 8913, magn. 7.4.

13 23.7*d*. On J. D. 4026, the star intended was −35° 8718, but position and magnitude indicate that the object observed was −34° 8913, and it has been so assumed.

13 24.0*b*. On J. D. 4064, residual 34 rejected. Uncertain which star was observed.

13 24.8*a*. On J. D. 3356, residual 65 rejected. Clouds.

13 25.0*c*. C. DM. −22° 9968, magn. 7.4. On J. D. 3687, the recorded declination is in error by 1°.

h. m.

13 25.2*c*. Suspected variable.

13 27.1*c*. In Vol. XXIV, Table IV, magn. 7.47, one observation only, rejected. Twilight strong.

13 31.3*a*. Combined light of A. G. C. 18511 and 18512, magn. 7¼ and 6¼.

13 31.7*a*. C. DM. −22° 10028, magn. 7.0.

13 32.3*a*. Suspected variable.

13 32.3*c*. C. DM. −22° 10035, magn. 8.5.

13 36.0*c*. C. DM. −22° 10061, magn. 6.6.

13 37.6*a*. The cluster, Messier 3. N. G. C. 5272. Contains 132 variable stars.

13 38.4*a*. On J. D. 4420, residual *130* rejected. Uncertain what star was observed.

13 43.6*a*. This star is η Ursæ Majoris.

13 46.0*b*. Combined light of A. G. C. 18833 and 18834, magn. 5 and 6¾.

13 48.5*b*. On J. D. 4472, residual *60* rejected. Uncertain what star was observed.

13 48.6*c*. No observations of this star have been obtained with the meridian photometer.

13 51.4*b*. C. DM. −22° 10202, magn. 7.5.

13 51.5*b*. No observations of this star have been obtained with the meridian photometer.

13 51.9*a*. C. DM. −22° 10206, magn. 6.7.

13 52.2*a*. Suspected variable.

13 52.5*a*. S. M. P. 4732, magn. 4.05. C. DM. −44° 9010, magn. 4.2.

13 55.3*c*. On J. D. 3692, residual 155 rejected for discordance.

13 56.6*c*. This star is τ Virginis.

13 58.2*a*. On J. D. 4464, residual 120 rejected. Uncertain which star was observed.

13 59.5*a*. C. DM. −22° 10279, magn. 7.2.

14 0.8*a*. On J. D. 4049, residual 289 rejected. Clouds. J. D. 4432. This observation rejected in deriving southern absorption.

14 8.8*a*. On J. D. 3703, residual 65 rejected. Uncertain which star was observed.

14 10.0*b*. On J. D. 3699, residual *18* rejected. Uncertain which star was observed.

14 11.3*a*. In Vol. XXIV, p. 227, for Dec. +6° 33′, read +6° 31′.

14 11.5*a*. J. D. 3687. The star intended was +40° 2760, but the position and magnitude indicate that +40° 2758 was observed, and it has been so assumed. The next star observed was +40° 2760. See 14^h 12^m.3.

14 11.6*d*. On J. D. 3714, residual 104 rejected. Clouds. "Clouds suspected in south, which may have affected preceding stars." The only other star affected was −21° 3879.

14 12.1*a*. On J. D. 3707, residual 63 rejected. Fourth reading discordant. "Stopped by clouds near the meridian."

14 12.1*b*. On J. D. 3714, residual 56 rejected. See 14^h 11^m.6*d*.

14 12.3*a*. On J. D. 3687, the star intended was +40° 2762, but the position and magnitude indicate that +40° 2760 was observed, and it has been so assumed. See 14^h 11^m.5*a*.

h. m.

14 13.0*b*. S. M. P. 4845, magn. 3.91. C. DM. −45° 9084, magn. 3.8.

14 13.4*a*. C. DM. −22° 10404, magn. 7.5

14 14.3*c*. S. M. P. 4853, magn. 4.81. C. DM. −44° 9236, magn. 4.8.

14 14.5*b*. On J. D. 4420, residual 130 rejected for discordance.

14 16.5*a*. In Vol. XXIV, p. 227, for Dec. +19° 40′, read +19° 38′.

14 17.3*a*. Combined light of A. G. C. 19458 and 19459, magn. 7½ and 7½.

14 17.4*a*. Y Boötis. 80 observations of four settings each, on 13 nights, fail to show any variation in this star. The results will be published in a later volume of the Annals.

14 23.4*b*. No observations of this star have been obtained with the meridian photometer.

14 23.7*d*. S. M. P. 4896, magn. 5.61. C. DM. −44° 9383, magn. 5.8.

14 24.2*d*. J. D. 4077. The object observed was perhaps −39° 8971, magn. 7.1. On J. D. 4456, residual 26 rejected. Uncertain which star was observed.

14 25.0*b*. On J. D. 3715, the star intended was −39° 8964, but the position and magnitude indicate that −39° 8971 was observed, and it has been so assumed.

14 26.4*b*. C. DM. −22° 10508, magn. 7.2.

14 32.3*a*. C. DM. −22° 10567, magn. 7.5.

14 33.3*a*. C. DM. −22° 10579, magn. 7.5.

14 35.3*a*. S. M. P. 4975, magn. 2.46. C. DM. −46° 9501, magn. 2.6.

14 35.4*a*. C. DM. −22° 10598, magn. 7.3.

14 36.6*a*. C. DM. −22° 10610, magn. 7.4.

14 40.2*b*. Combined light of A. G. C. 19997 and 19998, magn. 5¼ and 7.

14 40.3*b*. C. DM. −22° 10645, magn. 6.2.

14 43.3*a*. On J. D. 4087, residual 83 rejected. The stars, +39° 2764, +22° 2715, +36° 2530, +36° 2531, +25° 2839, and +20° 3026, were observed in succession, and gave the residuals, 03, *10*, 72, 78, 14, and *70*. After observing +20° 3026, the remark was made, "stopped by clouds, which may have affected preceding stars." The stars, +36° 2530, +36° 2531, +25° 2839, and +20° 3026, have accordingly been rejected, and give the residuals, 83, 80, 22, and *81*, respectively.

14 43.8*a*. On J. D. 4087, residual 80 rejected. See 14^h 43^m.3*a*. On J. D. 4442, residual *66* rejected. Clouds. "Stopped by clouds which probably affected preceding stars."

14 44.9*a*. On J. D. 4087, residual 22 rejected. See 14^h 43^m.3*a*.

14 44.9*b*. On J. D. 4087, residual *81* rejected. See 14^h 43^m.3*a*.

14 45.1*b*. S. M. P. 5034, magn. 4.43. C. DM. −43° 9391, magn. 5.0.

14 45.2*b*. On J. D. 4420, residual 103 rejected. The stars, +20° 3026, +38° 2593, +23° 2744, +29° 2581, +24° 2786, and +20° 3032, were observed in succes-

h. *m*.

sion, and gave the residuals, 40, 15, 77, 47, 43, and 62. "Clouds south of zenith. Very hazy. Stopped by clouds." The observations of +23° 2744, +29° 2581, +24° 2786, and +20° 3032, have accordingly been rejected, and give the residuals, 103, 70, 65, and 93, respectively.

14 45.2*c*. On J. D. 4431, residual *65* rejected for discordance.

14 45.7*b*. On J. D. 4420, residual 70 rejected. See 14^h 45^m.2*b*.

14 45.8*b*. On J. D. 4420, residual 65 rejected. See 14^h 45^m.2*b*.

14 46.3*a*. On J. D. 4049, residual *72* rejected. Clouds, which also affected following star, 14^h 47^m.0*a*.

14 47.0*a*. On J. D. 4049, residual *107* rejected. See 14^h 46^m.3*a*.

14 47.2*a*. On J. D. 3721, not measured. "Saturn too near."

14 47.5*a*. On J. D. 4420, residual 93 rejected. See 14^h 45^m.2*b*.

14 49.3*a*. On J. D. 4455, residual 106 rejected for discordance. Object intended, −36° 9605.

14 51.0*a*. On J. D. 4049, residual 59 rejected. Clouds.

14 51.6*d*. Combined light of A. G. C. 20256 and 20257, magn. 7¼ and 6.3.

14 52.0*c*. S. M. P. 5081, magn. 2.74. C. DM. −42° 9853, magn. 2.8.

14 52.9*b*. On J. D. 4472, residual 25 rejected. Uncertain which star was observed.

14 55.8*a*. On J. D. 4090, residual 51 rejected. "Clouds."

14 59.5*b*. C. DM. −22° 10823, magn. 7.7.

15 0.0*a*. On J. D. 4472, residual *05* rejected. Uncertain which star was observed.

15 0.3*a*. C. DM. −22° 10833, magn. 7.6.

15 3.1*a*. C. DM. −22° 10852, magn. 7.5.

15 6.5*a*. On J. D. 4051, residuals 02 and *04* rejected. Uncertain which star was observed.

15 6.7*b*. On J. D. 3711, residual *60* rejected. Uncertain which star was observed.

15 7.0*b*. No observations of this star have been obtained with the meridian photometer.

15 7.7*a*. In Vol. XXXIV, magn. 6.43, which confirms that given in the Durchmusterung.

15 13.5*a*. The cluster, Messier 5. N. G. C. 5904. Contains 85 variable stars.

15 21.5*b*. On J. D. 3710, residual *06* rejected. Uncertain what star was observed.

15 26.8*a*. On J. D. 3710, not observed. "Clouds over Pole, which may have affected preceding stars."

15 27.3*d*. Combined light of A. G. C. 21062 and 21063, magn. 7 and 7½.

15 31.3*a*. S. M. P. 5324, magn. 4.04. C. DM. −42° 10601, magn. 4.7. On J. D. 3711, residual 150 rejected for discordance. On J. D. 4455, residual 48 rejected. Clouds. On J. D. 4477, residual 91 rejected for discordance.

15 32.0*a*. C. DM. −22° 11100, magn. 6.1.

15 32.4*b*. No observations of this star have been obtained with the meridian photometer.

h. *m*.

15 32.9*d*. C. DM. −22° 11112, magn. 7.5.

15 33.2*b*. Combined light of A. G. C. 21208 and 21209, magn. 6¾ and 7.

15 33.5*a*. C. DM. −22° 11115, magn. 6.8.

15 34.3*b*. S. M. P. 5344, magn. 4.51. C. DM. −44° 10310, magn. 5.3.

15 39.8*c*. C. DM. −22° 11175, magn. 7.1.

15 44.8*b*. C. DM. −22° 11216, magn. 7.3.

15 45.2*c*. C. DM. −22° 11218, magn. 7.7.

15 48.8*b*. C. DM. −22° 11240, magn. 7.1.

15 50.5*a*. Combined light of A. G. C. 21586 and 21587, magn. 5.6 and 6.2.

15 52.7*a*. Suspected variable.

15 54.4*a*. C. DM. −22° 11292, magn. 2.4.

15 59.1*a*. On J. D. 4458, residual *73* rejected for discordance.

15 59.5*a*. S. M. P. 5510, magn. 4.78. C. DM. −44° 10625, magn. 4.9.

16 3.2*c*. Combined light of A. G. C. 21875 and 21876, magn. 7 and 7½.

16 3.6*c*. Not observed with the meridian photometer owing to the proximity of 16^h 3^m.6*b*.

16 4.1*b*. C. DM. −22° 11384, magn. 7.5.

16 4.5*b*. C. DM. −22° 11387, magn. 7.5. On J. D. 4077, residual 40 rejected. Uncertain which star was observed.

16 6.1*a*. Not observed owing to the proximity of 16^h 6^m.2*a*.

16 7.1*a*. The position in Vols. XIV, XXVII, and XLIV, is erroneously given as R. A. 16^h 7^m.5, Dec. +58° 5′. It was reduced from B. A. C. 5415, whose position depends on the Uranometria Nova.

16 9.0*b*. C. DM. −22° 11444, magn. 7.3.

16 11.1*b*. J. D. 3712. Recorded A 22054, (−37° 10757), but the position is that of A 22055, (−20° 4454). Rejected. Uncertain which star was observed.

16 12.3*b*. S. M. P. 5591, magn. 5.64. C. DM. −42° 11188, magn. 5.7.

16 12.5*b*. C. DM. −22° 11491, magn. 7.3.

16 13.2*d*. Not observed with the meridian photometer owing to the proximity of 16^h 13^m.2*e*.

16 16.6*a*. On J. D. 4098, residual 72 rejected. Uncertain what star was observed.

16 16.9*d*. C. DM. −22° 11522, magn. 7.5.

16 17.5*e*. Combined light of A. G. C. 22199 and 22200, magn. 7 and 7½.

16 17.8*a*. On J. D. 4162, residual 68 rejected. Uncertain which star was observed.

16 18.4*a*. Combined light of A. G. C. 22221 and 22222, magn. 6¾ and 6¼.

16 19.6*e*. Combined light of A. G. C. 22250 and 22251, magn. 5½ and 5¾.

16 23.3*a*. On J. D. 4500, residual *45* rejected. "Cloud over Pole may have affected preceding stars."

16 27.0*c*. S. M. P. 5681, magn. 5.16. C. DM. −43° 10900, magn. 5.5.

16 29.4*a*. S. M. P. 5697, magn. 5.53. C. DM. −42° 11399, magn. 6.0.

16 31.1*a*. This is also −2° 4211, magn. 5.5.

h. *m.*

16 32.0*a*. Y Herculis. 136 observations of four settings each on 21 nights, fail to show any variation in this star. The results will be published in a later volume of the Annals.

16 32.3*b*. C. DM. −22° 11571, magn. 7.5.

16 33.4*a*. On J. D. 3741, residual 11 rejected. Uncertain which star was observed.

16 33.5*c*. On J. D. 4094, residual 11 rejected. Uncertain which star was observed.

16 37.7*d*. C. DM. −22° 11610, magn. 7.3.

16 37.8*b*. C. DM. −22° 11611, magn. 7.8.

16 38.3*b*. C. DM. −22° 11615, magn. 7.3.

16 39.1*b*. C. DM. −22° 11622, magn. 7.2

16 39.5*a*. Suspected variable.

16 43.7*b*. Suspected variable.

16 45.6*a*. On J. D. 3326, perhaps cloud. Preceding residuals, 06 and 29; following residuals, 30 and 16.

16 47.0*d*. S. M. P. 5809, magn. 4.96. C. DM. −42° 11633, magn. 5.8.

16 47.3*a*. On J. D. 4078, residual *60* rejected. Three minutes later "Stopped by clouds over Pole, which affected some of the preceding stars."

16 47.6*d*. S. M. P. 5815, magn. 3.53. C. DM. −42° 11646, magn. 3.6.

16 48.1*a*. On J. D. 4078, residual *63* rejected. See 16^{h} 47^{m}.3*a*.

16 50.8*a*. C. DM. −22° 11734, magn. 5.9.

16 57.3*a*. C. DM. −22° 11795, magn. 7.5.

16 58.3*a*. On J. D. 3772 and 3774, observations retained. Individual readings discordant.

17 3.5*a*. S. M. P. 5924, magn. 4.93. C. DM. −44° 11502, magn. 4.9.

17 3.6*b*. On J. D. 3715, residual 127 rejected for discordance.

17 5.0*a*. S. M. P. 5930, magn. 3.37. C. DM. −43° 11485, magn. 3.6.

17 7.8*a*. On J. D. 4113, residual 85 rejected for discordance.

17 8.7*a*. On J. D. 4479, residual *75* rejected. Clouds.

17 9.1*a*. See 17^{h} 14^{m}.3*a*.

17 9.2*b*. Combined light of A. G. C. 23354 and 23355, magn. 5¾ and 5¾.

17 10.1*c*. This star is α Herculis.

17 11.9*a*. Combined light of A. G. C. 23419 and 23420, magn. 6 and 7.

17 12.1*b*. On J. D. 4456, first observation, residual 109 rejected. Uncertain what star was observed.

17 14.3*a*. The magnitude of this star is in U. N. 6, Heis 6, DM. 7.2, H. P. 5.90, H. P. Est. 5.9, U. O. 6.14, H. C. O. Annals XXIV, Table I, 7.67, and XLIV, 7.54. +49° 2604, magn. 6.2, precedes 5^{m}.2, north 4′, and was the object observed in the H. P., and probably in the U. N., Heis, H. P. Est., and U. O. An examination of the observing sheets of the H. P. shows that on each of the three nights of observation, a very faint companion was observed about 0^{m}.1 preceding, and 4′ or 5′ south. +49° 2602, magn. 8.5, precedes +49° 2604 by 7^{s}.0, and is 3′.5 south. No similar companion to −49° 2614 is given in the Durchmusterung.

17 15.0*a*. On J. D. 4506, residuals 01 and 07 rejected. Uncertain which star was observed.

17 16.1*d*. On J. D. 4456, residual 00 rejected. Uncertain which star was observed.

17 17.0*e*. S. M. P. 6019, magn. 4.98. C. DM. −44° 11669, magn. 5 8. On J. D. 3713, residual 147 rejected for discordance. On J. D. 3715, residual *91* rejected. Uncertain which star was observed.

17 17.2*a*. C. DM. −22° 12016, magn. 7.3.

17 19.2*a*. On J. D. 3354, residual *142* rejected. The magnitude indicates that the object observed was +8° 3405, magn. 6.2.

17 19.4*a*. S. M. P. 6040, magn. 5.34. C. DM. −45° 11531, magn. 6.2.

17 19.7*b*. On J. D. 4467, residual 01 rejected. Uncertain which star was observed.

17 20.3*a*. On J. D. 4097, residual 406 rejected for discordance. The object observed was probably −24° 13366, magn. 8.0.

17 24.2*a*. On J. D. 4491, residual *152* rejected. Very hazy, and uncertain what star was observed.

17 28.0*a*. C. DM. −22° 12102, magn. 7.5.

17 30.1*d*. S. M. P. 6104, magn. 1.99. C. DM. −42° 12312, magn. 2.1. On J. D. 3742, residual 113 rejected. Probably haze. Five minutes later, "stopped by gradually increasing haziness rising from the north west." On J. D. 3750, residual 119 rejected for discordance. On J. D. 4074, residual *55* rejected for discordance. Perhaps clouds over λ. Preceding residuals, *41* and *19*; following residuals, *35* and 03.

17 30.2*a*. See 17^{h} 30^{m}.3*a*.

17 30.3*a*. On J. D. 3762, 4101, and 4462, the adjacent star, +55° 1944, seen.

17 32.0*c*. C. DM. −22° 12143, magn. 8.4.

17 33.8*a*. On J. D. 4111, residual 94 rejected for discordance. Five minutes later, "stopped by cloud which may have affected preceding stars. Cloud also over Pole."

17 37.0*a*. In Vol. XXIV, p. 64, the second, third, and fourth columns should read, for this star, 35^{m}.1, 35′, and 6.3, and for the following star, +24° 3228, they should read, 35^{m}.7, 39′, and 7.8. This will replace the correction given in Vol. XXIII, p. 244.

17 37.5*a*. On J. D. 4493, residual 67 rejected for discordance.

17 38.4*b*. C. DM. −22° 12201, magn. 6.8

17 40.2*b*. On J. D. 4174, residual *88* rejected for discordance. The object observed was probably −32° 13346, magn. 7.3.

17 40.6*b*. On J. D. 4136, residual 152 rejected. Clouds.

17 41.6*c*. On J. D. 3804, residual *85* rejected for discordance.

17 41.7*b*. C. DM. −22° 12236, magn. 6.7.

17 43.7*a*. On J. D. 4464, residual *57* rejected. Clouds.

17 44.2*a*. On J. D. 3737, residual *13* rejected. Uncertain which star was observed.

h. m.

17 44.9*c*. Suspected variable. On J. D. 4507, residual 80 rejected for discordance. Photographs taken on May 12, August 13, September 2, September 23, October 1, 1896; Febuary 2, April 2, April 22, May 12, May 13, May 22, May 26, June 8, and July 2, 1897, show no evidence of variation. It is always fainter photographically than −33° 12534, magn. 9.5, and about equal to −34° 12131, magn. 9.6.

17 45.0*a*. C. DM. −22° 12279, magn. 7.4.

17 46.2*d*. C. DM. −22° 12297, magn. 7.5.

17 49.5*c*. S. M. P. 6264, magn. 4.87. C. DM. −44° 12201, magn. 5.4. On J. D. 4136, residual *119* rejected. Clouds.

17 52.7*b*. On J. D. 4472, residual *18* rejected. Clouds.

17 52.9*d*. C. DM. −22° 12386, magn. 7.2.

17 53.4*b*. C. DM. −22° 12392, magn. 7.5.

17 53.9*e*. C. DM. −22° 12401, magn. 7.6.

17 55.4*a*. In Vol. XXIV, Table IV, combined with +8° 3556, magn. 9.0.

17 55.6*c*. In Vol. XXIV, Table IV, combined with +2° 3459, magn. 8.5.

17 55.8*b*. C. DM. −22° 12441, magn. 6.3.

17 56.1*e*. No observations of this star have been obtained with the meridian photometer.

17 56.4*c*. C. DM. −22° 12457, magn. 7.8.

17 57.0*a*. C. DM. −22° 12473, magn. 7.0.

17 57.9*b*. C DM. −22° 12498, magn. 7.5.

17 58.4*d*. On J. D. 4108, residual *105* rejected for discordance. Perhaps cloud over λ. Preceding residuals, *20* and *25*; following residuals, *47* and *04*.

17 59.3*a*. On J. D. 3784, residual 74 rejected for discordance. Perhaps cloud. Preceding residuals, 24 and 27; following residual 50.

17 59.6*h*. S. M. P. 6342, magn. 5.17. C. DM. −43° 12272, magn. 5.6.

18 1.1*a*. In Vol. XXIV, Table IV, combined with +12° 3382, magn. 7.6.

18 1.8*a*. On J. D. 3784, perhaps cloud. Preceding residuals, 24 and 26; following residuals, 47 and 41.

18 7.5*a*. Combined light of +79° 570 and 571 measured in Vol. XXIV, Table IV, and in Vol. XLIV, magn. 5.30 and 5.17, respectively.

18 7.5*b*. See 18^{h} 7^{m}.5*a*.

18 8.6*a*. S. M. P. 6412, magn. 5.37. C. DM. −44° 12456, magn. 5.9. On J. D. 4539, residual *114* rejected for discordance. "Difficult."

18 9.1*a*. Suspected variable. On J. D. 4170, residual *166* rejected for discordance. "Twilight, difficult, reject?" On J. D. 4171, first observation, residual *108* rejected for discordance. "Scattering clouds, difficult, twilight." Photographs taken on July 18, 1892; July 10, August 8, 1893; May 14, 1894; July 9, July 28, 1896; and September 18, 1897, show no evidence of variation in this star which appears to be about ninth magnitude on all of them.

18 13.3*a*. On J. D. 4464, residual *69* rejected. Clouds.

18 15.4*a*. On J. D. 4517, residual *104* rejected for discordance.

18 16.0*b*. C. DM. −22° 12893, magn. 7.5.

18 17.0*a*. S. M. P. 6468, magn. 5.45. C. DM. −44° 12569, magn. 5.7.

18 18.7*d*. On J. D. 4173, perhaps cloud. Preceding residuals, 09 and 29; following residuals, 24 and 28.

18 19.6*c*. S. M. P. 6484, magn. 3.69. C. DM. −46° 12379, magn. 3.5.

18 22.9*b*. On J. D. 3752, residual *56* rejected. Clouds.

18 24.4*c*. S. M. P. 6510, magn. 5.06. C. DM. −45° 12550, magn. 5.7.

18 24.7*b*. S. M. P. 6512, magn. 5.55. C. DM. −43° 12600, magn. 6.1.

18 24.7*c*. S. M. P. 6513, magn. 5.30. C DM. −45° 12556, magn. 5.7.

18 24.8*b*. Suspected variable. On J. D. 4182, residual *119* rejected for discordance. Perhaps −27° 12936, magn. 7.7, was the object observed.

18 25.7*a*. On J. D. 3752, residual *38* rejected. "Clouds."

18 25.7*b*. On J. D. 4166, residual 74 rejected. Uncertain which star was observed.

18 26.4*b*. S. M. P. 6523, magn. 4.41. C. DM. −42° 13378, magn. 5.1.

18 26.8*a*. On J. D. 4170, residual *61* rejected. "Cloud over Pole."

18 28.0*a*. J. D. 3781. The stars, −6° 4791. −7° 4623, −6° 4805, −12° 5120, −13° 5055, −3° 4325, −14° 5139, −2° 4678, −3° 4331, −1° 3529, −12° 5129, −11° 4702, −11° 4726, −11° 4735, −12° 5159, −10° 4787, −10° 4797, −12° 5168, and −11° 4753, were observed in succession, and gave the residuals, 23, 28, 18, 55, 57, 32, 61, 29, 32, 46, 35, 21, 26, 23, 52, 41, 64, 63, and 76, respectively. Rejecting these observations the residuals become, 35, 42, 27, 62, 66, 42, 69, 43, 47, 52, 52, 32, 40, 35, 55, 55, 73, 72, and 85. A graphical correction was next applied which rendered these observations accordant. They were therefore retained, and give the residuals, 06, 04, *10*, 14, 15, *06*, 17, *04*, *02*, 02, 01, *12*, *07*, *11*, 01, *03*, 06, *02*, and 02, respectively.

18 28.8*a*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 30.7*b*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 31.0*a*. On J. D. 4170, residual *07* rejected. "Clouds."

18 31.4*a*. On J. D. 4500, residual 168 rejected. Uncertain which star was observed.

18 31.9*b*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 32.2*d*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 32.2*e*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 32.3*a*. On J. D. 3766 and 4185, residuals, *141* and *109* rejected for discordance. The magnitude indicates that the object observed was +5° 3846, magn. 6.8.

18 32.4*f*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 32.4*i*. S. M. P. 6562, magn. 5.11. C. DM. −43° 12699, magn. 5.8.

18 32.7*c*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 33.1*b*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 33.2*c*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 33.8*b*. J. D. 3781. See 18^{h} 28^{m}.0*a*.

18 34.0*d*. On J. D. 3776, residual *73* rejected. The stars, −1° 3529, −2° 4686, +8° 3780, −3° 4354, −9° 4796,

h. m.

−7° 4664, −8° 4687, −1° 3551, −6° 4869, −0° 3543, −3° 4388, −3° 4397, +4° 3909, and +3° 3836, were observed in succession, and gave the residuals, *08*, *64*, *102*, *31*, *04*, *11*, 05, *11*, *23*, *54*, *61*, *15*, *66*, and *95*, respectively. Apparently unnoticed clouds passed over the Pole. The observations of stars, −2° 4686, +8° 3780, −3° 4354, −0° 3543, −3° 4388, −3° 4397, +4° 3909, and +3° 3836, have accordingly been rejected, and give the residuals, *73*, *113*, *46*, *61*, *70*, *31*, *83*, and *115*, respectively.

18 34.4*a*. J. D. 3781. See 18^h 28^m.0*a*.

18 36.3*c*. On J. D. 3776, residual *46* rejected. See 18^h 34^m.0*d*.

18 37.3*b*. C. DM. −22° 13233, magn. 7.6.

18 38.0*c*. J. D. 3781. See 18^h 28^m.0*a*.

18 39.5*a*. J. D. 3781. See 18^h 28^m.0*a*.

18 39.8*b*. On J. D. 3776, residual *61* rejected. See 18^h 34^m.0*d*.

18 39.9*b*. J. D. 3781. See 18^h 28^m.0*a*.

18 40.1*e*. On J. D. 4506, residual 88 rejected. Uncertain which star was observed.

18 40.3*b*. J. D. 3781*a*. See 18^h 28^m.0*a*.

18 40.3*c*. C. DM. −22° 13275, magn. 5.6.

18 40.3*d*. Suspected variable. Photographs taken on July 8, July 24, 1889; May 29, May 29, 1891; August 10, September 12, September 15, 1894; March 6, 1895; July 21, August 14, August 25, November 28, 1896; April 2, April 23, April 23, May 12, May 12, May 25, May 26, May 28, June 8, June 10, July 1, and July 1, 1897, show evidence of variation of about 0.5 magnitude, but the images are rather bright, and examination for slight variations, difficult.

18 40.5*b*. On J. D. 3752, residual *54* rejected. "Stopped by clouds over Pole, which probably affected preceding stars."

18 41.2*d*. J. D. 3781. See 18^h 28^m.0*a*.

18 41.3*f*. J. D. 3833. Recorded A.G.C. 25638, (−39° 12895), but position and magnitude render it probable that A. G. C. 25659, (−39° 12911), was observed, and it has been so assumed.

18 41.6*c*. S. M. P. 6607, magn. 5.69. C. DM. −43° 12841, magn. 5.7.

18 42.1*a*. J. D. 3781. See 18^h 28^m.0*a*.

18 42.4*b*. S. M. P. 6612, magn. 5.79. C. DM. −43° 12854, magn. 6.0.

18 42.6*a*. On J. D. 3758, residual 214 rejected. Uncertain which star was observed.

18 42.8*a*. J. D. 3781. See 18^h 28^m.0*a*.

18 44.1*b*. C. DM. −22° 13325, magn. 7.5.

18 44.8*c*. C. DM. −22° 13340, magn. 6.7.

18 44.9*a*. On J. D. 3776, residual *70* rejected. See 18^h 34^m.0*d*.

18 45.7*b*. N. G. C. 6705. On J. D. 3783 and 3784, "too diffuse for measurement."

18 45.8*a*. On J. D. 4195, residual *02* rejected. Uncertain which star was observed.

18 46.1*d*. C. DM. −22° 13364, magn. 7.0.

18 46.3*e*. On J. D. 4102, 4165, 4487, and 4522, recorded A 25772, (−31° 16064), but position and magnitude indicate that the object observed was A 25806, (−30° 16356), and it has been so assumed.

18 46.4*a*. On J. D. 4136, residual 57 rejected. "Clouds" which stopped observations for 17 minutes, after which this star was observed again.

18 47.2*a*. On J. D. 3776, residual *31* rejected. See 18^h 34^m.0*d*.

18 47.4*c*. On J. D. 3783, residual *04* rejected. Uncertain which star was observed.

18 48.1*c*. C. DM. −22° 13397, magn. 8.1.

18 48.1*d*. C. DM. −22° 13399, magn. 5.0.

18 48.2*c*. C. DM. −22° 13401, magn. 8.5.

18 49.1*b*. C. DM. −22° 13419, magn. 5.1.

18 49.2*a*. S. M. P. 6648, magn. 5.35. C. DM. −42° 13761, magn. 5.8.

18 50.0*c*. Suspected variable. A. G. C. magn. 6.9. On J. D. 3099, residuals *138* and *138* rejected for discordance. The object observed was perhaps −18° 5134, magn. 7.3.

18 50.6*c*. On J. D. 3776, residual *83* rejected. See 18^h 34^m.0*d*.

18 50.7*b*. On J. D. 3776, residual *115* rejected. See 18^h 34^m.0*d*.

18 51.2*c*. In Vol. XXIV, Table IV, combined with 18^h 51^m.2*d*, resulting magnitude 4.27.

18 51.2*d*. See 18^h 51^m.2*c*.

18 52.4*b*. C. DM. −22° 13478, magn. 6.6.

18 55.6*d*. C. DM. −22° 13527, magn. 6.8.

18 56.1*c*. S. M. P. 6683, magn. 4.76. C. DM. −42° 13855, magn. 5.2.

18 56.2*d*. On J. D. 4158, residual 87 rejected for discordance.

18 57.7*d*. C. DM. −22° 13563, magn. 8.4.

18 59.6*a*. On J. D. 3784, not observed owing to the proximity of 18^h 59^m.7*b*.

18 59.7*d*. On J. D. 4158, residuals 250 and 155 rejected. "Clouds? Reject?" The southern stars, −31° 16306, −35° 13393, −37° 13048, −37° 13048, and −38° 13350, were observed in succession, and gave the residuals, 08, 134, 192, 97, and 262, respectively. The last four observations were evidently affected by clouds, and have accordingly been rejected. The residuals then become, 140, 250, 155, and 298, respectively.

19 1.0*b*. C. DM. −22° 13614, magn. 7.1.

19 2.7*d*. On J. D. 4158, residual 298 rejected. See 18^h 59^m.7*d*. On J. D. 4472, residual *07* rejected. Cloud over Pole.

19 3.0*c*. S. M. P. 6731, magn. 5.92. C. DM. −42° 13933, magn. 6.2.

19 3.1*c*. On J. D. 4472, residual, 13 rejected. Clouds.

19 8.1*d*. C. DM. −22° 13744, magn. 7.4.

19 9.2*a*. On J. D. 4186, residual *63* rejected. Uncertain which star was observed.

19 11.5*c*. On J. D. 4523, residual 51 rejected. The comparison stars of R Sagittarii were observed on this day, and all gave positive residuals. They were apparently affected by clouds, and have been rejected.

h. *m.*

19 11.6*b*. On J. D. 4523, residual 111 rejected. See 19^h 11^m.5*c*.

19 11.8*b*. On J. D. 3826, collimation recorded 13.0, assumed to be 18.0.

19 12.4*d*. On J. D. 4523, residual 102 rejected. See 19^h 11^m.5*c*.

19 12.6*b*. On J. D. 4523, residual 83 rejected. See 19^h 11^m.5*c*.

19 12.7*c*. On J. D. 4523, residual 59 rejected. See 19^h 11^m.5*c*.

19 12.8*d*. On J. D. 3776, residual *64* rejected. Clouds. "Stopped by cloud over Pole which may have affected preceding stars."

19 12.8*f*. On J. D. 4523, residual 87 rejected. See 19^h 11^m.5*c*.

19 13.1*c*. On J. D. 4158, residual 140 rejected. See 18^h 59^m.7*d*.

19 14.6*b*. C. DM. −22° 13846, magn. 5.9.

19 15.0*b*. On J. D. 4171, residual *20* rejected. Cloud over Pole.

19 15.4*b*. Combined light of S. M. P. 6797 and 6798, magn. 4.10, measured. C .DM. −44° 13277 and 13278, magn. 4.0 and 8.5.

19 15.5*a*. See 19^h 15^m.4*b*.

19 15.6*c*. On J. D. 4523, residual 26 rejected. See 19^h 11^m.5*c*.

19 15.8*a*. On J. D. 4523, residual 34 rejected. See 19^h 11^m.5*c*.

19 16.0*g*. S. M. P. 6803, magn. 4.35. C. DM. −45° 13171, magn. 4.4.

19 16.3*b*. On J. D. 3801, residual *28* rejected. Uncertain which star was observed.

19 16.8*c*. On J. D. 4523, residual 39 rejected. See 19^h 11^m.5*c*.

19 18.6*c*. On J. D. 4523, residual 17 rejected. See 19^h 11^m.5*c*.

19 19.7*c*. C. DM. −22° 13939, magn. 7.0.

19 20.4*g*. C. DM. −22° 13950, magn. 5.9.

19 21.1*a*. On J. D. 3830, residual *74* rejected for discordance.

19 22.3*c*. S. M. P. 6827, magn. 5.78. C. DM. −43° 13395, magn. 5.9.

19 22.5*a*. H. P. 3426, λ Ursæ Minoris. The polar star with which all the other stars were compared. The magnitude 6.58 is derived from the entire series of observations.

19 25.9*a*. On J. D. 4192, residual *125* rejected. "Stopped by clouds over Pole, reject."

19 30.0*c*. On J. D. 3784, residual *131* rejected. "Stopped by clouds over Pole, which affected preceding stars."

19 30.5*b*. Inserted, since its magnitude in the A. G. C. is 7, perhaps by mistake for 9. The original observations on September 16, September 19, 1878; August 23, August 27, and August 29, 1879, give the magnitudes, 8, ·, 9½, ·, and 10, respectively. See Resultados. Cordoba Obser. Vol. XI, p. 158, and Vol. XII, p. 179.

19 33.5*d*. On J. D. 3753, residual 85 rejected for discordance.

h. *m.*

19 34.0*c*. C. DM. −22° 14138, magn. 7.5.

19 39.6*d*. On J. D. 3107, residual 115 rejected for discordance. On J. D. 3810, residual *73* rejected for discordance. Perhaps clouds over λ. Preceding residuals, *22* and *41*; following residuals, *27* and *17*.

19 39.9*a*. On J. D. 3857, residual 81 rejected. Uncertain which star was observed.

19 46.5*a*. On J. D. 4136, residual *62* rejected. Clouds. See 19^h 46^m.6*b*.

19 46.6*b*. On J. D. 4136, residual *86* rejected. "Clouds?" After this star, stopped by clouds for 12 minutes.

19 48.4*c*. S. M. P. 6952, magn. 4.08. C. DM. −42° 14549, magn. 4.3.

19 49.3*c*. The right ascension of this star in the A. G. C. appears to be 1^m too small.

19 53.7*d*. C. DM. −22° 14397, magn. 6.7.

19 57.8*b*. C. DM. −22° 14454, magn. 6.5.

19 58.0*b*. J. D. 2720. When observing +11° 4104, it was found that the preceding stars had been wrongly identified. From the positions of the four preceding stars it appears that while +12° 4189, +14° 4132, +16° 4103, and +13° 4247, were intended, it is probable that +12° 4196, +14° 4150, +16° 4118, and +13° 4259, were the objects actually observed, and have been so assumed. The positions agree more closely with those of +12° 4207, magn. 9.1, +14° 4157, magn. 8.8, +16° 4131, magn. 8.5, and +13° 4264, magn. 8.9, but the magnitudes, both estimated and measured, show that these faint stars could scarcely have been observed, while the brighter stars were overlooked. The preceding and following stars appear to have been correctly identified.

19 58.2*a*. J. D. 2720. See 19^h 58^m.0*b*.

19 59.2*a*. On J. D. 4523, residual *24* rejected. Uncertain which star was observed.

19 59.4*c*. J. D. 2720. See 19^h 58^m.0*b*.

19 59.5*b*. On J. D. 4115, recorded +29° 3878, but the magnitude indicates that the object observed was +29° 3872, magn. 6.0.

20 0.5*b*. J. D. 2720. See 19^h 58^m.0*b*.

20 0.7*c*. C. DM. −22° 14483, magn. 7.5.

20 3.7*a*. On J. D. 4206, residuals *10* and *32* rejected. "Clouds, reject."

20 5.5*a*. On J. D. 3769, residual *123* rejected for discordance. The magnitude indicates that the object observed was +63° 1593, magn. 6.5.

20 6.4*c*. On J. D. 3864, residual *04* rejected. Uncertain which star was observed.

20 8.5*b*. C. DM. −22° 14567, magn. 7.8.

20 12.1*f*. C. DM. −22° 14603, magn. 6.1.

20 12.3*f*. C. DM. −22° 14604, magn. 7.5.

20 15.7*d*. S. M. P. 7067, magn. 5.73. C. DM. −42° 14836, magn. 5.8.

20 16.3*a*. C. DM. −22° 14655, magn. 7.5.

20 17.1*c*. S. M. P. 7072, magn. 5.73. C. DM. −42° 14847, magn. 5.6.

20 18.2*d*. On J. D. 3758, residual 10 rejected. Uncertain which star was observed.

h. m.

20 20.2*b*. On J. D. 3772, first observation, residual 02 rejected. Uncertain which star was observed.

20 22.3*a*. This star is also −2° 5281, magn. 7.8.

20 23.4*a*. Suspected variable, since A. G. C. magnitude is 7.5. On J. D. 4546, second residual 97 rejected for discordance. First reading discordant. An examination of photographs taken on July 22, 1893; August 11, 1894; June 4, June 8, 1895; July 2, July 11, July 18, July 20, October 7, 1896; October 13, 1897; May 25, November 11, 1898; May 30, and June 19, 1899, fails to show any evidence of variation.

20 23.6*b*. C. DM. −22° 14746, magn. 6.5.

20 24.2*b*. On J. D. 4183, residual 157 rejected. Uncertain which star was observed.

20 27.0*d*. S. M. P. 7111, magn. 5.12. C. DM. −44° 14020, magn. 5.6.

20 27.9*a*. On J. D. 4138, residual 37 rejected. Clouds.

20 29.2*b*. Suspected variable. A. G. C. magn. 7.2.

20 30.0*c*. On J. D. 3807, assumed, but identification uncertain.

20 31.2*a*. On J. D. 4136, residual *102* rejected for discordance. The magnitude indicates that +49° 3310, magn. 6.7, was the object observed.

20 31.9*b*. C. DM. −22° 14858, magn. 7.3.

20 33.4*c*. On J. D. 3503, residual 201 rejected. Uncertain what star was observed.

20 34.1*d*. On J. D. 4189, residual 152 rejected. Clouds.

20 37.6*d*. C. DM. −22° 14943, magn. 7.2.

20 39.7*a*. On J. D. 3858, residual 50 rejected. Uncertain which star was observed.

20 40.7*b*. C. DM. −22° 14986, magn. 7.3.

20 41.7*b*. S. M. P. 7166, magn. 5.18. C. DM. −44° 14145, magn. 5.4.

20 41.9*a*. On J. D. 4523, residual *84* rejected for discordance. Perhaps cloud over Pole.

20 43.2*a*. T Cygni. 89 observations of four settings each on 45 nights, fail to show any variation in this star. The results will be published in a later volume of the Annals.

20 43.8*b*. On J. D. 3810, residual 135 rejected for discordance.

20 44.1*a*. On J. D. 3860, residuals 43 and *08* rejected. Uncertain which star was observed.

20 44.6*f*. On J. D. 4523, residual 165 rejected for discordance.

20 45.7*a*. On J. D. 3826, residual *77* rejected for discordance.

20 51.1*b*. C. DM. −22° 15093, magn. 7.4.

20 55.0*c*. On J. D. 3810, residual 04 rejected. "Reject, clouds."

20 57.0*a*. The right ascension in Vols. XXVII and XLIV, is erronously given as 20ʰ 57ᵐ.6. It was reduced from the B. A. C., which is in error 0ᵐ.6.

20 58.0*c*. Combined light of Lalande 40749 and 40750= U. A. 35 Aquarii, magn. 6.3 and 7.2.

20 58.2*c*. On J. D. 3497, residual *133* rejected for discordance. The object intended was −29° 17504, but the collimation and companion recorded indicate that −29° 17521, magn. 8.0, was the object observed.

h. m.

20 58.7*a*. Combined light of A. G. C. 28884 and 28885, magn. 7½ and 6.

20 58.7*b*. On J. D. 4542, residual 195 rejected for discordance.

21 0.8*b*. On J. D. 3878, residual *172* rejected. Uncertain which star was observed.

21 2.1*d*. C. DM. −22° 15209, magn. 7.4.

21 4.7*a*. C. DM. −22° 15233, magn. 7.4.

21 6.4*a*. On J. D. 3109, the companions entered appear to belong to the star next measured, T Cephei.

21 8.2*c*. C. DM. −22° 15266, magn. 7.1.

21 9.3*c*. C. DM. −22° 15279, magn. 7.6.

21 11.7*a*. On J. D. 3900, residual 08 rejected. Uncertain what star was observed.

21 13.0*a*. On J. D. 3900, residual 19 rejected. Uncertain what star was observed.

21 14.6*c*. In U. A. magn. 6.9. On J. D. 3878, residual *184* rejected. The position and magnitude indicate that the object observed was −13° 5904, magn. 7.2.

21 16.7*b* On J. D. 3900, residual 29 rejected. Uncertain what star was observed. On J. D. 3905, residual 206 rejected for discordance. "Difficult, twilight. Moon."

21 16.8*a*. On J. D. 3499, recorded +76° 836, but position and magnitude indicate that +76° 833 was the object observed.

21 20.6*e*. S. M. P. 7331, magn. 5.56. C. DM. −43° 14539, magn. 5.8. On J. D. 3155, residual *142* rejected for discordance. Perhaps cloud over λ. Preceding residuals, *23* and *62*; following residual *74*.

21 21.0*d*. C. DM. −22° 15388, magn. 3.7.

21 21.2*a*. On J. D. 3901, residual 116 rejected. Uncertain which star was observed.

21 21.5*f*. On J. D. 3095, residual 123 rejected for discordance.

21 23.0*e*. C. DM. −22° 15402, magn. 4.7.

21 23.6*a*. On J. D. 3911, 3911, residuals, 11 and 05 rejected. Uncertain what star was observed. On J. D. 3911, residual *75* rejected for discordance although confirmed by fourth measure.

21 24.6*c*. On J. D. 3897, residual 110 rejected for discordance. Uncertain what star was observed.

21 25.2*a*. The Cluster Messier 15. N. G. C. 7078. Contains 51 variable stars.

21 25.3*a*. On J. D. 3807, the stars, +49° 3534, +47° 3432, +47° 3446, +47° 3448, +47° 3457, +47° 3468, +45° 3618, +51° 3112, +46° 3403, +48° 3457, +49° 3590, +48° 3480, +56° 2623, +57° 2374, +47° 3522, +46° 3407, +51° 3125, +51° 3135, +52° 3019, +53° 2690, +58° 2314, +48° 3485, +46° 3422, +57° 2396, and +51° 3144, were observed in succession. There were cirrus clouds and haze throughout the evening, but these stars were near the zenith, and it was thought they would have been affected equally. The corresponding residuals, however, were, 09, 15, 04, 20, 23, 29, 81, 67, 63, 75, 47, 45, 24, 41, 17, 57, 49, 32, 21, 15, 08, 13, 36, 02, and 05. Rejecting these observations the residuals become, 14, 22, 08, 39, 35, 43, 101, 84, 79, 83, 59, 55, 47, 51,

h. *m.*

34, 71, 61, 48, 42, 31, 12, 26, 42, 03, and 10. A graphical correction was next applied, which rendered these observations accordant. They were therefore retained, and give the residuals, 07, 08, *05*, 06, *05*, *12*, 22, 03, *01*, 05, *13*, *15*, *10*, *10*, *13*, 12, 08, 01, 01, *01*, *10*, 03, 24, *02*, and 03, respectively.

21 25.8*f*. On J. D. 3155, residual *74* rejected for discordance.

21 26.2*b*. Suspected variable.

21 26.7*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 27.8*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 27.9*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 28.3*b*. The Cluster Messier 2. N.G.C. 7089. On J. D. 3100, 3101, and 3109, "too diffuse for measurement."

21 28.7*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 29.5*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 31.9*c*. On J. D. 3501, residual *30* rejected. Uncertain which star was observed.

21 32.6*a*. On J. D. 3840, residual *02* rejected. Uncertain which star was observed.

21 33.3*a*. C. DM. −22° 15500, magn. 7.5.

21 34.9*b*. On J. D. 3517, 3873, and 4173, residuals, *126*, *105*, and *134* rejected. The magnitude indicates that the object observed was the adjacent star −35° 14906, magn. 6.8.

21 35.5*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 35.8*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 35.8*d*. C. DM. −22° 15523, magn. 7.6.

21 35.9*c*. J. D. 3807. See 21^h 25^m.3*a*.

21 35.9*d*. C. DM. −22° 15525, magn. 8.1.

21 36.2*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 36.5*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 37.3*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 37.4*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 37.5*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 38.6*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 39.0*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 39.2*a*. J. D. 3807. See 21^h 25^m.3*a*. On J. D. 4542, perhaps cloud over λ. Preceding residuals *44* and *35*; following residuals, *44* and *09*.

21 39.3*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 39.6*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 39.7*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 40.0*a*. J. D. 3807. Sea 21^h 25^m.3*a*.

21 40.6*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 41.7*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 43.1*a*. J. D. 3807. See 21^h 25^m.3*a*.

21 43.1*b*. J. D. 3807. See 21^h 25^m.3*a*.

21 44.2*a*. On J. D. 3903, residual *25* rejected. "Reject, clouds."

21 46.2*f*. On J. D. 3864, residual *101* rejected for discordance.

21 49.0*a*. On J. D. 3897, residual 16 rejected. Uncertain which star was observed.

21 50.4*b*. On J. D. 4243, residual 60 rejected. Clouds.

21 51.0*f*. On J. D. 4173, residual *105* rejected for discordance. The magnitude indicates that the object observed was the adjacent star, −38° 14801, magn. 6.5.

h. *m.*

21 53.2*d*. On J. D. 4243, residual 164 rejected. Clouds.

21 57.0*a*. Combined light of A. G. C. 30146 and 30147, magn. 7½ and 7.

21 57.8*a*. On J. D. 4208, residual 18 retained. Clouds.

21 59.6*b*. On J. D. 3895, residual *145* rejected for discordance.

22 0.1*c*. On J. D. 4243, residual 242 rejected. Clouds.

22 1.7*b*. C. DM. −22° 15743, magn. 7.0.

22 1.9*e*. S. M. P. 7481, magn. 1.92. C. DM. −47°14063, magn. 1.9.

22 2.4*a*. On J. D. 4192, the stars, +24° 4533, +24° 4533, +21° 4695, +21° 4695, −18° 6077, −18° 6077, −24° 17160, −24° 17160, +32° 4349, +32° 4349, +32° 4352, +32° 4352, +24° 4548, +24° 4548, +33° 4456, +33° 4456, +27° 4280, and +27° 4280, were observed in succession. It was then found that the southern objective was covered with dew, and observations were therefore stopped. The corresponding residuals were, 35, 46, 41, 51, –, –, 97, 82, 99, 100, 93, 127, 132, 133, 131, 153, 138, and 139. Rejecting these observations the residuals become, 47, 58, 54, 64, –, –, 117, 112, 127, 128, 125, 159, 171, 172, 172, 194, 194, and 195. A graphical correction was next applied which rendered these observations accordant. They were therefore retained and give the residuals, 09, 10, *02*, *02*, –, –, 20, *05*, 10, 01, *11*, 13, 12, 03, *05*, 07, 00, and *09*, respectively.

22 2.5*b*. On J. D. 3467, residual 147 rejected for discordance. Uncertain which star was observed. On J. D. 3475, residual 59 retained. Stopped by clouds while observing next star.

22 3.1*a*. J. D. 4192. See 22^h 2.^{m}4*a*

22 4.8*b*. J. D. 4192. See 22^h 2^m.4*a*.

22 5.5*b*. J. D. 4192. See 22^h 2^m.4*a*.

22 7.5*a*. J. D. 4192. See 22^h 2^m.4*a*.

22 8.1*c*. In Vol. XXIV, Table IV, magn. 6.42 should read magn. 5.42.

22 8.4*b*. J. D. 4192. See 22^h 2^m.4*a*.

22 9.1*a*. J. D. 4192. See 22^h 2^m.4*a*.

22 10.4*b*. S. M. P. 7517, magn. 5.16. C. DM. −42° 15846, magn. 5.4.

22 11.1*b*. On J. D. 3807, residual 77 rejected. Uncertain which star was observed.

22 11.7*b*. On J. D. 3801, residual *08* rejected. Uncertain which star was observed.

22 16.1*c*. C. DM. −22° 15862, magn. 5.6.

22 18.8*d*. C. DM. −22° 15881, magn. 7.5.

22 23.3*a*. C. DM. −22° 15912, magn. 7.5.

22 23.3*b*. S. M. P. 7563, magn. 4.07. C. DM. −44° 14931, magn. 4.2.

22 23.4*b*. On J. D. 3113, residual *215* rejected for discordance. "Certainly brighter than 7.2." An examination of photographs taken on June 14, 1891; July 27, 1893; June 8, July 3, October 5, 1895; May 12, June 5, June 16, July 8, and July 18, 1896; August 9, 1897; June 7, 1898; and June 17, 1899, fails to show any evidence of variation in this star or in the adjacent star, A. G. C. 30649.

h. m.

22 23.5*a*. On J. D. 4245, residual 03 retained. Clouds.

22 23.7*d*. Combined light of A. G. C. 30662 and 30663, magn. 4½ and 4¼.

22 23.8*e*. S. M. P. 7564, magn. 4.26. C. DM. −44° 14935, magn. 4.4.

22 25.9*d*. A. G. C. 30705, magn. 7, follows $0^s.4$, south 30″.

22 36.7*b*. S. M. P. 7615, magn. 2.09. C. DM. −47° 14308, magn. 2.2.

22 37.6*b*. C. DM. −22° 16023, magn. 7.1.

22 37.7*d*. S. M. P. 7619, magn. 4.83. C. DM. −42° 16049, magn. 5.2.

22 39.8*b*. On J. D. 3096, the object observed was perhaps −1° 4346, magn. 7.8.

22 52.2*a*. Companion of S Aquarii. On J. D. 3864, "clouds suspected" after first observation of this star.

22 56.0*a*. On J. D. 3843, residual *13* rejected. Uncertain which star was observed.

22 58.4*d*. S. M. P. 7704, magn. 5.80. C. DM. −42° 16177, magn. 6.0.

22 58.8*b*. C. DM. −22° 16168, magn. 7.2.

22 58.9*a*. This star is β Pegasi.

22 59.9*c*. Not measured with the meridian photometer. Looked for on J. D. 4193 and 4196. "Not seen, fainter than 8.5." This star in not in the A. G. C. It is faint on photographs taken on June 18, 1891; June 28, 1893; September 11, October 16, 1894; July 8, and August 3, 1895, but shows no evidence of variation. The magnitude in the C. DM. should perhaps be 9.7 instead of 6.7.

23 1.2*a*. S. M. P. 7715, magn. 4.40. C. DM. −44° 15149, magn. 4.2.

23 4.4*b*. S. M. P. 7730, magn. 5.89. C. DM. −43° 15281, magn. 6.1.

23 4.7*a*. On J. D. 4225, residual *16* rejected. Clouds.

23 4.7*c*. S. M. P. 7734, magn. 4.06. C. DM. −45° 14947, magn. 3.9.

23 6.8*b*. Combined light of A. G. C. 31477 and 31478, magn. 7 and 7½.

23 8.5*a*. In Vol. XLIV, For R.A. $23^h 8^m.3$, Dec. +56° 36′, read R.A. $23^h 8^m.5$, Dec. +56° 37′.

h. m.

23 11.1*d*. S. M. P. 7755, magn. 5.84. C. DM. −45° 14982, magn. 6.5.

23 14.5*a*. On J. D. 3903, residual *05* rejected. Clouds. On J. D. 4225, residual 02 retained. Clouds.

23 18.8*c*. C. DM. −22° 16306, magn. 6.8.

23 21.3*a*. C. DM. −22° 16320, magn. 7.0.

23 23.6*b*. On J. D. 4207, residual 97 rejected for discordance.

23 25.0*d*. C. DM. −22° 16341, magn. 7.4.

23 26.0*b*. S. M. P. 7807, magn. 5.83. C. DM. −45° 15055, magn. 6.3.

23 26.4*c*. C. DM. −22° 16349, magn. 6.3.

23 27.6*a*. On J. D. 3859, residual 109 rejected for discordance. On J. D. 4227, residual 163 rejected. Clouds.

23 29.7*d*. S. M. P. 7816, magn. 4.87. C. DM. −43° 15420, magn. 4.5.

23 32.5*c*. S. M. P. 7823, magn. 4.92. C. DM. −46° 14720, magn. 4.5.

23 34.1*b*. C. DM. −22° 16398, magn. 7.5.

23 35.2*d*. On J. D. 3857, residual *89* rejected for discordance.

23 36.3*b*. On J. D. 2783, residual *11* rejected. Uncertain which star was observed.

23 40.8*d*. Combined light of A. G. C. 32105 and 32107, magn. 5½ and 7.

23 44.3*e*. C. DM. −22° 16464, magn. 7.1.

23 45.3*d*. C. DM. −22° 16472, magn. 7.7.

23 45.5*b*. On J. D. 3185, residual 16 rejected. Uncertain which star was observed.

23 49.2*b*. Combined light of A. G. C. 32251 and 32252, magn. 6¾ and 7¼.

23 50.0*e*. C. DM. −22° 16505, magn. 7.2.

23 50.1*a*. Suspected variable. On J. D. 3185, residual 99 rejected for discordance. On J. D. 3186, residual 85 rejected for discordance. On J. D. 3841, second observation, residual 80 rejected for discordance.

23 51.0*b*. C. DM. −22° 16515, magn. 7.1.

23 59.5*a*. On J. D. 3897, residual 25 rejected. Readings discordant.

The following errors have been found in Volume XLIV, Part I.

On page 40, $7^{h}\,6^{m}.5b$, fifth column, for 2.37, read 2.36. This correction will increase all the residuals by 1 algebraically. For 63, read 64, etc.

On page 42, $8^{h}\,37^{m}.3a$, fifth column, for 4.16, read 4.12. This correction will increase all the residuals by 4 algebraically. For *66*, read *62*, etc.

On page 43, $8^{h}\,43^{m}.9a$ fifth column, for 4.92, read 4.16; in sixth column erase 914, 914, and in seventh column, for *71*, *81*, 57, 97, read 05, *05*.

On page 53, $11^{h}\,46^{m}.9a$, second column, for 46.9, read 47.2, and in third column, for +38 31, read +38 26. This star is Groombridge 1830.

On page 63, $14^{h}\,51^{m}.6a$, third column, for −20 56, read −20 58.

On page 85, $19^{h}\,59^{m}.3a$. No explanation has been found for the apparent brightness of this star as here measured. On J. D. 2698, and 2711, it was observed immediately after $19^{h}\,59^{m}.0a$, and it is difficult to understand how any error in identification could have occurred.

On page 101, $23^{h}\,8^{m}.3a$, in second column, for 8.3, read 8.5, and in third column, for +56 36, read +56 37.

On page 109, insert, $20^{h}\,10^{m}.6a$. On J. D. 358, two readings only. Reject.

The following errors have been found too late to be corrected in the preceding table.

On page 58, $4^{h}\,3^{m}.0a$, seventh column, for 07, read 05.

On page 83, $5^{h}\,56^{m}.0a$, fifth column, for 7.86, read 6.86.

On page 133, $9^{h}\,37^{m}.0a$, fifth column, for 7.44, read 7.47, and in seventh column, for 02, *04*, read *01*, 01.

On page 133, $9^{h}\,37^{m}.8b$, fifth column, for 7.59, read 7.09, and in seventh column, for *20*, 20, read 30, *30*.

On page 141, $10^{h}\,23^{m}.4c$, fifth column, for 7.70, read 6.56; in sixth column omit 4000, and in seventh column, for 14, *14*, read A.

On page 158, $12^{h}\,7^{m}.3a$, seventh column, for *02*, 04, read *02*, 02.

On page 165, $12^{h}\,50^{m}.1a$, fifth column, for 7.68, read 6.68.

On page 175, $13^{h}\,51^{m}.6c$, fifth column, for 7.69, read 6.69.

On page 268, $20^{h}\,44^{m}.8a$, fifth column, for 7.71, read *7.71*.

❧

see p 37

END OF VOLUME XLV.

JOHN G. WOLBACH LIBRARY
HARVARD COLLEGE OBSERVATORY
60 GARDEN STREET
CAMBRIDGE, MASS. 02138

3 2044 060 081 114

JOHN G. WOLBACH LIBRARY
HARVARD COLLEGE OBSERVATORY
60 GARDEN STREET
CAMBRIDGE, MASS. 02138

32044060081114